The University of Southern Mississippi Bulletin 1978-79

Undergraduate

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UNIVERSITY OF SOUTHERN MISSISSIPPI BULLETIN

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1978-1979

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ANNOUNCEMENT

The University of Southern Mississippi will convert to the semester calendar beginning with the Fall Semester of 1978. This conversion will make for some changes in curricula and in course offerings. Not all of the changes will be reflected in this **Bulletin.** Students are urged to contact their advisers as soon as possible after their arrival on campus for the Fall Semester, 1978, to learn of these changes.

The calendar and the fee sections have been changed to reflect the semester system.

If students have any questions about their courses of study, they should write to the chairman of the department of their major who will answer their inquiries and help them plan for the new semester system.

CALENDAR

FALL SEMESTER 1978

Hattiesburg Campus

Friday, August 11, 1978
Deadline for making application for admission

Sunday, August 27
Dormitories open - orientation for freshmen and transfer students who did not attend summer orientation

Monday, August 28
Registration by appointment

Tuesday, August 29
Registration continues

Wednesday, August 30
8:00 a.m. Classes begin
1:30 p.m. Late registration begins
6:30-7:45 p.m. Monday night classes meet (this week only)
8:00-9:15 p.m. Wednesday night classes meet (this week only)

Thursday, August 31
8:15 a.m. Change of schedule begins
6:30-7:45 p.m. Tuesday night classes meet (this week only)
8:00-9:15 p.m. Thursday night classes meet (this week only)

Monday, September 4
Labor Day Holiday

Thursday, September 7
Last day to register or add courses

Thursday, October 5
Last day for dropping courses without academic penalty

Friday, October 20
Midpoint in Fall Semester

Friday, November 17
Last day to drop a course or withdraw from all courses

Tuesday, November 21
9:15 p.m. Thanksgiving holidays begin (night classes will meet)

Monday, November 27
8:00 a.m. Classes resume

Wednesday, December 13
Last day of regularly scheduled classes

Thursday, December 14
Reading Day

Friday, Saturday, Monday, Tuesday, Wednesday, December 15-16, 18-20
Fall Semester Examinations

Thursday, December 21
Fall Semester ends

SPRING SEMESTER 1979

Hattiesburg Campus

Friday, December 22
Deadline for making application for admission

Sunday, January 7
Dormitories open

Monday, January 8
Registration by appointment

Tuesday, January 9
Registration continues

Wednesday, January 10
8:00 a.m. Classes begin
1:30 p.m. Late registration begins
6:30-7:45 p.m. Monday night classes meet (this week only)
8:00-9:15 p.m. Wednesday night classes meet (this week only)

Thursday, January 11
8:15 a.m. Change of schedule begins
6:30-7:45 p.m. Tuesday night classes meet (this week only)
8:00-9:15 p.m. Thursday night classes meet (this week only)

Friday, January 19
Last day to register or add courses

Wednesday, February 14
Last day to drop courses without academic penalty

Friday, March 2
6:00 p.m. Spring Vacation begins
Midpoint in Spring Semester

Monday, March 12
8:00 a.m. Classes resume

Monday, March 30
Last day to drop a course or withdraw from all courses.
USM Day

Sunday, April 15
Easter

Monday, April 16
Easter Holiday
6:30 p.m. Monday night classes meet

Wednesday, May 2
Last day of regularly scheduled classes

Thursday, May 3
Reading Day

Friday, Saturday, Monday, Tuesday, Wednesday, May 4-5, 7-9
Spring Semester Examinations

Wednesday, May 9
7:30 p.m. Commencement

Thursday, May 10
Spring Semester ends

SUMMER TERM 1979

Tuesday, May 15, 1979
Deadline for making application for admission

Monday, June 4
Orientation for freshman and transfer students
Registration by appointment
Only day to register for full or first term courses without late fee

Tuesday, June 5
8:00 a.m. Day classes meet on schedule
1:30 p.m. Late registration begins
6:30-8:00 p.m. Tuesday night classes meet (this week only)
8:30-10:00 p.m. Thursday night classes meet (this week only)

Wednesday, June 6
8:30 a.m. Day classes meet on schedule
6:30-8:00 p.m. Monday night classes meet (this week only)
8:30-10:30 p.m. Wednesday night classes meet (this week only)

Thursday, June 7
Thursday night classes meet

Friday, June 8
Last day for registering or adding first term courses

Wednesday, June 13
Last day for registering or adding full term courses
Last day for dropping first term courses

Friday, June 22
Last day for dropping full term courses without academic penalty

Wednesday, July 4
Independence Day Holiday

Monday, July 9
Registration for second term courses

Wednesday, July 11
Last day for registering or adding second term courses

Monday, July 16
Last day for dropping second term courses

Friday, July 27
Last day to drop a course or withdraw from all courses

Friday, August 10
Last day of regularly scheduled courses

Monday, Tuesday, Wednesday, Thursday, August 13, 14, 15, 16
Summer Term Examinations

Thursday, August 16
7:30 p.m. Commencement

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GENERAL INFORMATION

Historical

The University of Southern Mississippi was established by an act of the Legislature approved on March 30, 1910, by Governor Edmund F. Noel. Its first name was the Mississippi Normal College, and its original purpose was to train teachers for the rural schools of Mississippi.

The act of March 30, 1910, did not provide any state money for the building of Mississippi Normal College, but did provide that localities in the state might bid for its location by offering land for a site and money for constructing buildings. On September 16, 1910, the Board of Trustees accepted the bid of Hattiesburg and Forrest County to supply $250,000.00 and a free site. That site was west of the city in cut-over timberland with great pine stumps everywhere. Contracts were let to clear the land and to build buildings.

The five permanent buildings (College Hall, Forrest County Hall, Hattiesburg Hall, the Industrial Cottage [now the Honor House] and the President's Home, now the Alumni House), a temporary wooden Dining Hall, and other necessary improvements were barely finished when the Mississippi Normal College opened on the rainy morning of September 18, 1912, with a president, a faculty of eighteen, and a student body of 220.

On October 17, 1911, Joseph Anderson Cook, Superintendent of Schools, Columbus, Mississippi, was elected president. The University of Southern Mississippi has had only six presidents during the more than sixty years since its founding. The Board of Trustees elected Claude Bennett president effective October 10, 1928. On April 23, 1933, the Board of Trustees elected Dr. Jennings Burton George as the third president, effective July 1, 1933. On June 13, 1945, the Board of Trustees elected Dr. Robert Cecil Cook as the fourth president and he officially assumed office on July 1, 1945. On October 21, 1954, President Cook submitted his resignation. He served until December 31, 1954, and Dr. Richard Aubrey McLemore became acting president on January 1, 1955. The Board of Trustees, on May 19, 1955, elected Dr. William David McCain as the fifth president. He officially assumed office on August 1, 1955, and retired as of June 30, 1975. Dr. Aubrey Keith Lucas became the sixth president of the University on July 1, 1975.

As has been stated, the University of Southern Mississippi was founded on March 30, 1910, as the Mississippi Normal College. On March 7, 1924, the Legislature changed the name to State Teachers College. On February 8, 1940, the Legislature changed the name to Mississippi Southern College, and on February 27, 1962, the Legislature changed the name to the University of Southern Mississippi.

The Mississippi Normal College did not grant degrees in its early years, but awarded certificates for the completion of certain specified courses of study. On April 8, 1922, the Legislature authorized the awarding of the Bachelor of Science degree. The Bachelor of Music degree was authorized by the Board of Trustees on June 19, 1934. The first Bachelor of Arts degree was awarded on August 20, 1940. On May 26, 1947, the Board of Trustees of State Institutions of Higher Learning authorized the initiation of graduate work and the awarding of the Master of Arts. Doctoral programs were first authorized by the Board of Trustees on May 20, 1959. Numerous other degree programs have been authorized during the past twenty years.

The administrative and academic organization of the University of Southern Mississippi is basic and relatively simple. This reorganization took place in 1976. The Vice President for Academic Affairs is responsible for the academic programs. The Vice President for Administration and Regional Campuses oversees the various administrative units and the regional campuses. The Vice President for Business and Finance is in charge of all financial operations of the University. The Vice President for Student Affairs is responsible for the welfare of the student body, and the Director of Intercollegiate Athletics is in charge of the athletic programs.

The academic area of the University of Southern Mississippi is organized into the College of Business Administration, the College of Education and Psychology, the College of Fine Arts, the College of Liberal Arts, the College of Science and Technology, the School of Home Economics, the School of Health, Physical Education, and Recreation, the School of Library Service, the School of Nursing, the Graduate School of Social Work, the Graduate School, and the Division of Continuing Education and Public Service.

The number of graduates is some measure of the growth of a university. The University of Southern Mississippi has awarded 41,075 degrees since the first one was conferred in 1922.

There has been great improvement in the faculty during the past sixty-five years. In 1912 only one member of the faculty had a master's degree. During the 1976-1977 session, the University employed on all its campuses 590 full-time and 80 part-time faculty members, a number of the latter being teaching administrators. The doctoral degree was held by 250 full-time faculty members and 50 part-time faculty members.

Research has been strengthened at the University of Southern Mississippi in several ways; the number of doctoral degrees has been increased; the University has established its own scholarly journals—*The Southern Quarterly* and *The Southern Journal of Educational Research;* the Computing Center has been equipped to expedite contracts and faculty research; the Office of Research and Sponsored Programs has been established by the University to promote research and to assist faculty members in their research activities; and the University of Southern Mississippi is a participating member of the University Press of Mississippi established on May 1, 1970. For further information on the University's research program, see the **Graduate Bulletin.**

The University of Southern Mississippi was established by the State of Mississippi, is owned by the State of Mississippi, and is operated and financed by the State of Mississippi. Its first Board of Trustees was established by the legislative act of March 30, 1910, and that board governed only this one institution. On February 2, 1932, the Legislature established the Board of Trustees of State Institutions of Higher Learning and placed under its jurisdiction the five colleges and one university owned and operated by the state. On November 3, 1942, the people of the state voted to make the Board of Trustees of State Institutions of Higher Learning a constitutional board for all colleges and universities of the state. The University of Southern Mississippi is now operated under the jurisdiction of that constitutional board.

Beginning the Fall Quarter, 1972, credit was awarded in terms of semester rather than the traditional quarter hours although the University continued to operate on a quarter calendar, thus regularizing the credit system throughout the state's university system. Beginning with the Fall term, 1978, the University will be on the regular semester system.

PURPOSES OF THE UNIVERSITY

The University of Southern Mississippi believes that its fundamental mission is to fulfill the educational needs of the people in its changing state and region. To meet these needs the University is a dynamic, multi-purpose, career-oriented institution, committed to excellence in its programs and services. As such, the University sees its purpose as threefold: teaching, research, and service. The broad area of teaching is the primary purpose of the University of Southern Mississippi. While research is important, its role is that of serving, supporting, and complementing teaching. Through service, the University seeks to incorporate the resources of knowledge, skills, and artistry into the mainstream of the society it serves.

In the design of its programs and in its operation, the University is committed to those policies and practices which are consistent with and supportive of these purposes.

UNIVERSITY PRESS OF MISSISSIPPI

The University Press of Mississippi was founded in 1970 to encourage the dissemination of the fruits of research and study through the publication of scholarly works. Functioning as the scholarly publishing arm of the state-supported universities in Mississippi, the University Press is governed by a Board of Directors made up of one representative from each of the eight state universities, one representative from the Board of Trustees of State Institutions of Higher Learning, and the director of the Press.

The University Press publishes between ten and twenty books each year. Primary areas of interest are Mississippi history and literature, but manuscripts in all areas of study are welcomed.

Administrative offices of the University Press are located in the Education and Research Center of Mississippi, 3825 Ridgewood Road, Jackson, Mississippi.

ADMISSION REQUIREMENTS AND PROCEDURES

ALL COMMUNICATIONS regarding entrance to the undergraduate colleges and schools of the University should be addressed to the Director of Admissions, University of Southern Mississippi, Southern Station, Box 11, Hattiesburg, Miss. 39401.

Eligibility for admission cannot be determined until the application, ACT score, and scholastic records have been submitted. These items should be received before the deadline date of the semester for which the student is applying (see Calendar). The academic record, character, and conditions of application of the applicant must be in accordance with the rules and regulations of the Board of Trustees of State Institutions of Higher Learning and with the laws of the State of Mississippi. The applicant must have excellent moral character and must be willing to conduct his or her affairs so as to be a credit to the University. The University reserves the right to cancel the admission or registration of an individual whose attendance at the University, in the opinion of the appropriate administrative officer and the President, would not be mutually beneficial to himself and to the institution. Applicants should note carefully the law governing legal residence and the penalty for falsifying residence information. The law appears in the STUDENT EXPENSES Section of this Bulletin. **The University of Southern Mississippi does not discriminate on grounds of sex, race, color, religion, or national origin. These provisions also apply to handicapped individuals pursuant to current federal and state regulations subject to reasonable standards of admission and employment.**

APPLICATION PROCEDURES FOR FRESHMEN

HOW TO APPLY

Each freshman applicant is required to:

1. Present an application for admission.
2. Have ACT scores sent to the Director of Admissions. The applicant should have a composite standard score of fifteen (15). Any exceptions must be approved by the Director of Admissions or the Admissions and Credits Committee. (see **Non-Degree Students**).
3. Request that his high school send an official transcript of his record to the Director of Admissions.

When the application, transcript, and ACT results have been received, the Office of Admissions will send to the applicant notice of eligibility or ineligibility for admission. When the student applies early in his senior year, a notice of eligibility is issued as soon as processing is completed. This preliminary notice is all that the student needs for planning purposes, subject only to completion of his high school program.

WHEN TO APPLY

A high school student, especially one who also is applying for financial aid, is urged to apply for admission and financial aid early in his senior year. The applicant should have his high school mail to the Director of Admissions a transcript complete for his first six semesters. A student who applies during his final senior semester should provide a transcript complete for the first seven semesters. The deadline for receipt of applications and all required credentials, including results of the American College Test, is twenty (20) days in advance of the session for which the application is being made. An application is processed as soon as possible after all required items are available. A notification of admission is then issued to the admissable student.

EARLY ADMISSION

The University will admit a limited number of highly qualified applicants after completion of the junior year of high school. To be considered for early admission, the applicant must have achieved an exceptional record on a minimum of fifteen (15) units in an accredited high school, have the unqualified recommendation of his principal or headmaster, and have achieved a score of twenty-three (23) on the American College Test. A personal interview with the Director of Admissions is required before a decision is made.

ADMISSION BY EXAMINATION

A student twenty years of age or older who has not been graduated from high school may be admitted if he achieves a standard score of forty (40) on each of the five tests or an average standard score of forty-five (45) on all five tests of the high-school level General Educational Development Tests and meets all other University requirements.

TRANSFER STUDENTS

HOW TO APPLY

Each new student who has attended other colleges or universities and who is seeking admission to an undergraduate college or school is required to file with the Office of Admissions an application for admission (form to be obtained from that office). He should also request the authorities at each institution attended to send an official transcript of his record to the Director of Admissions. The student who is applying with fewer than twelve (12) semester hours of college credit acceptable by this University must also have sent to the Director of Admissions his official scores on the American College Tests. No application will be processed until all required items, including the ACT where applicable, are on file. Any exceptions must be approved by the Director of Admissions (see Non-Degree Students).

A student currently enrolled in another institution at the time he makes application and applying for admission for the following session to one of the undergraduate colleges or schools of this University should arrange to have forwarded to the Director of Admissions an official transcript which includes a listing of courses in progress as well as all completed work. On the basis of these partial credentials, a determination of admission status will be made pending receipt of the final transcript, thus enabling the student to make definite his plans for transfer. Transfer credit is accepted only from the institutions of higher learning which are accredited by a regional accrediting agency or the Mississippi Association of Colleges. Students entering from non-accredited institutions will be accepted as guest students for one semester (12 hours); at the end of that semester their status will be determined on the basis of their performance at the University of Southern Mississippi.

The student must indicate on the application all previous college attendance. An applicant is not permitted to ignore previous college attendance or enrollment. A student found guilty of non-disclosure or misrepresentation in filling out the admission application form, or a student who finds after admission or enrollment that he is ineligible for academic or any other reason to return to his last institution and who fails to report this immediately to the Admissions Office, will be subject to disciplinary action, including possible dismissal from the University.

WHEN TO APPLY

The application, required credentials, and the ACT results (when applicable) must be on file in the Admissions Office not less than twenty (20) days in advance of the session for which application is being made.

ADMISSION PROCEDURE

When the application, all required credentials, and the ACT results (if applicable) have been received, the Office of Admissions will send to the applicant a notice of eligibility, or ineligibility, for admission.

An evaluation of the transferred credit will be completed as soon as possible after the admission has been determined. If the student receives his evaluation prior to registration, he should retain it for use during advisement. If he does not receive his evaluation prior to registration, he should contact the Admissions Office as soon as possible after his arrival on campus.

REGULATIONS

The University requires a grade average of C in all previous college work. The applications of students whose records do not meet the indicated requirements may be subject to review by the Director of Admissions or the Admissions and Credits Committee.

A student under academic suspension from another college or university may not enter the University of Southern Mississippi during the term of his suspension. Upon termination of the suspension period there is no bar to admission, if he is eligible in other ways.

In general, students under disciplinary suspension are not admitted to the University of Southern Mississippi.

Students from fully accredited institutions ordinarily will be given full credit for work transferred into the University, insofar as the courses taken are the same as, or equivalent to, courses offered in the college in which the student enrolls in this institution.

Credits transferred from an accredited junior college will be accepted as determined by the college or school in which the student is enrolled. In accepting junior college credits, no courses will be considered as above sophomore level. Credit earned in institutions which have not been fully accredited is usually accepted on the same basis as by the state university of the state in which the institution is situated. When acceptance of credit on a validation basis is indicated, the student will be required to validate such credit by at least a 2.0 index on his first 12 semester hours of residency study here. Where it seems proper, examinations for the validation of credit may be required.

TRANSFER CREDITS

Credits transferred from accredited institutions are reproduced on the permanent records of the University of Southern Mississippi. This action is evidence that the credits are considered valid. **Validity,** however, is not to be confused with acceptability or applicability.

Applicability of transfer work depends upon the coincidence of transfer credits with the requirements of a particular curriculum. **Applicability** varies from curriculum to curriculum, not only for transfer students from other institutions but for students transferring from one school or curriculum to another within the University of Southern Mississippi. In either case the upper limit of the number of applicable credits is the number of accepted credits. **Applicability** is determined by the dean of the college or school to which one is admitted.

Transfer hours passed will be accepted. To meet graduation requirements transfer students must have an overall C average, calculated by the method currently in use at the University of Southern Mississippi, on all hours scheduled and rescheduled at all institutions attended, including the University of Southern Mississippi. Excessive quality points earned at other institutions can not be used to offset any deficiencies at the University of Southern Mississippi. **Acceptance of junior college work is limited to one-half of the total requirements for graduation in a given curriculum. The last half of the total hours applied toward graduation must be earned in a senior college.** (See also "Graduation and Degrees.")

A maximum of sixty-four (64) semester hours of credit earned through Credit by Examination, independent study courses, extension courses, and educational experiences in the armed forces combined may be counted toward a degree at the University of Southern Mississippi. No more than thirty-two (32) semester hours earned by independent study and/or extension may be used. No more than thirty-six (36) semester hours in a degree program may be earned through Credit by Examination.

Credit will not be granted for college courses carried at another institution of college level when a student is enrolled for residence credit in this University except upon prior written approval of the dean of the college or university in which the student is enrolled.

ACCEPTANCE OF MILITARY CREDIT

1. The General Educational Development Tests at the High School Level are accepted in lieu of a high school diploma.

2. Credit for military schools and educational experiences in the armed forces is awarded on the basis of recommendations of the American Council on Education.

3. Correspondence and/or extension courses, including USAFI college level courses, may be applied toward a degree up to a maximum of thirty-two (32) semester hours. No

more than nine (9) semester hours of correspondence (USAFI) work may be earned in any one field.

4. Credit from the Community College of the Air Force is accepted toward a degree.

5. A maximum of sixty-four (64) semester hours of credit earned by independent study, extension, and military experience combined may be applied toward a degree.

REQUIREMENTS FOR MILITARY PERSONNEL: THE BOOTSTRAP PROGRAM

Military personnel on active duty who attend the University on the Bootstrap Program may complete degree requirements with thirty (30) semester hours of work on the Hattiesburg campus, providing all other degree requirements have been fulfilled. This amount of work may be done in two semesters.

In order to receive an official evaluation of credits to determine eligibility for Bootstrap attendance, the following educational credentials must be forwarded:

1. A properly executed military Form DD 295.
2. Official transcripts bearing the raised seal from each institution where credit has been earned.
3. Official transcripts and CLEP scores for courses completed through the United States Armed Forces Institute, Madison, Wisconsin.
4. Official high school transcript.
5. An application for admission should be submitted with the request for an evaluation.

All documents and correspondence should be directed to:

The Coordinator of Armed Forces Education
University of Southern Mississippi
Southern Station, Box 11
Hattiesburg, Mississippi 39401

NON-DEGREE STUDENTS

WHO MAY APPLY

For the adult who wishes to complete certain specific undergraduate courses and not pursue a degree, the Director of Admissions may grant that person non-degree status provided the applicant meets these conditions:

a. Has a high school diploma or its equivalent.
b. Has been out of high school at least three years and/or is at least 21 years of age.

REGULATIONS GOVERNING NON-DEGREE STUDENTS

Previous academic records are required of all applicants. Applicants for non-degree status are required to certify that they are not under suspension from any college or university. A student found guilty of non-disclosure or misrepresentation in filling out the admission application form, or a student who finds after admission or enrollment that he is ineligible for academic or any other reason to return to his last institution and who fails to report this immediately to the Admissions Office, will be subject to disciplinary action, including possible dismissal from the University.

The student registered in non-degree status is subject to all University regulations governing registration, attendance, and academic standing. Credit earned in non-degree status is recorded on the student's permanent record and may be applied in an undergraduate degree program when the student has satisfactorily established degree status by meeting the entrance requirements of the University and of the degree-granting college or school of his choice.

It is not the policy of the University to permit students from other countries who are in the United States on a student visa to register in non-degree status.

THIRTY-HOUR LIMITATION ON NON-DEGREE STATUS

A student is permitted to earn a maximum of thirty (30) semester hours of credit in non-degree status. No undergraduate college or school of the University will accept in a degree program in excess of thirty (30) semester hours earned while the student has been registered in non-degree status, nor is a college or school obligated to accept any hours earned in non-degree status which do not fulfill college or school degree requirements. The student who is approaching the thirty (30) hour limitation in non-degree status, if he wishes to continue taking courses for credit, should consult the Admissions Office concerning procedures required to establish regular degree status.

Non-degree students applying for regular status are required to follow admission procedures and to provide all items requested of transfer students.

REQUIREMENTS FOR FOREIGN STUDENTS: REGULAR UNIVERSITY PROGRAMS

1. Foreign students without previous records at high schools, colleges, or universities within the United States must meet the requirements outlined above for admission as freshmen.
2. All applicants whose native tongue is other than English must furnish the Office of Admissions with a satisfactory score on the Test of English as a Foreign Language (TOEFL). A minimum score of 500 is required. Because it normally requires several months to process all necessary documents, foreign students should submit the application, official certificates, and detailed transcripts of record as soon as possible. Doing so will allow time for exchange of necessary correspondence and, if the applicant is admitted, will help him in obtaining the necessary passport visa in sufficient time.
3. Foreign students who have already attended colleges or universities within the United States must meet the requirements outlined above for admissions as transfer students. The Test of English as a Foreign Language (TOEFL) may be waived if the transfer student has successfully completed all freshman English requirements with an average of 2.0 or better.
4. A ten dollar ($10.00), non-refundable fee must accompany the application for admission of each foreign student.
5. All foreign students should direct documents and correspondence to:

   Foreign Student Admissions
   University of Southern Mississippi
   Southern Station, Box 5151
   Hattiesburg, Mississippi, U.S.A. 39401

CAREER DEVELOPMENT CENTER

Career guidance can be defined as the process of assisting an individual to choose, prepare for, enter, and advance in a vocation. The following services are designed to assist individuals at any level of their career growth process:

Career Counseling—The goal of the career counselor is to help the individual make the best possible career and educational choices with the maximum information available. In career counseling, data from vocational assessment, the person's past experience, and the career library are combined to expand the individual's awareness of his/her areas of interest. Although the counselor utilizes and organizes information for the person and may interpret results from vocational assessment, responsibility for making vocational decisions always rests with the individual.

Individual Vocational Testing—Research evidence indicates that different occupations tend to attract different types of people in regard to interests, skills, abilities, and personal orientation. One purpose of vocational assessment is to help the individual identify possible vocational choices that would best meet his/her needs and qualifications. Another purpose would be to help the individual compare himself/herself, in regard to many variables, with people in general, as well as with people in different occupational groups. Of ultimate value is enhancing knowledge of self to promote a better understanding of the merging of self and the world of work in order to further an individual's decision-making process in terms of

career choice. Areas which may be assessed are intellectual abilities, educational interests, vocational interests, personality variables and values.

Career Information Library—A massive collection of current career-related materials pertaining to a wide range of career fields. Types of information available follow: job descriptions; places offering employment; necessary training and other qualifications; advancement opportunities; employment outlook (immediate and long-term); expected salaries; working conditions; schools and organizations offering trainings; scholarships; grants and other available financial aid programs.

Job Finding Skill Development (Resume Preparation and Job Interviewing)—Mini courses are offered to develop skills needed to secure employment. Benefits include discussion, role playing, feedback, and special handouts including sample resumes, sample cover letters, sample follow-up letters, interviewing tips and admonitions, sample list of questions interviewers often ask, worksheets to begin composing resumes, etc.

The services of the Career Development Center are available by contacting in person, by telephone, or by mail:

Career Development Center
Southern Station, Box 112
Hattiesburg, Mississippi 39401
Phone: 266-7111

ADVISEMENT

All new students are assigned to academic advisers and are given specific times to meet with their advisers for assistance in scheduling classes and planning programs of study to meet their individual needs. Assignment of advisers is based on the student's stated educational or career plans. Those students who have not established definite educational or career plans are assigned to counselors in the Office of Special Academic Services. The Office of Special Academic Services provides a continuing program of academic and career counseling for all students and prospective students of the University.

ORIENTATION AND PRE-REGISTRATION: FALL SEMESTER

New fall freshmen and transfer students entering the University of Southern Mississippi are encouraged to participate in the summer orientation program, Mini Quarter. The orientation programs are designed to acquaint students with University structure, policies, procedures, physical layout, faculty, students, organizations, and academic programs. Activities scheduled during the program include: evaluation of credit for transfer students, placement testing, academic advisement, small group sessions, open house for sororities, fraternities, religious organizations, scheduling classes, and registration. Students will pay fees upon return in the Fall.

Parents of freshmen are also invited to attend the summer orientation program. Special sessions are planned for parents which include University policies on finances, housing, student activities, educational and recreational opportunities, and academic programs. Panel discussions are planned for parents on current campus life.

THE ENGLISH LANGUAGE INSTITUTE

Foreign students interested in attending the English Language Institute at the University of Southern Mississippi for intensified studies in English should direct all correspondence to:

The Director of the English Language Institute
University of Southern Mississippi
Southern Station, Box 65
Hattiesburg, Mississippi 39401

COOPERATIVE EDUCATION

The cooperative Education Program affords the student the opportunity to gain a complete education by alternating periods of academic study with periods of work related

to the student's major. The cooperative education office assists in securing meaningful jobs that will give the student practical work experience and financial support to aid in his education. The basic qualifications for the Co-op Program are as follows:

a. The student must maintain at least 2.00 GPA.
b. The student must attend USM or a regional campus at least one semester prior to his placement.
c. The student must agree to work alternating semesters.

A student is eligible to enter the program at any time during his career at USM. Transfer students who have been in a co-op program with another university may transfer into the USM program and maintain their original job.

Salaries of co-op students vary depending on the type of degree they are pursuing and the amount of co-op experience a student has. The median salary during the 1978-79 school term is estimated at $700.00 per month.

The Office of Cooperative Education will determine the eligibility of students to participate in the program and screen their placement. Each student's record of performance will be periodically reviewed, once an active participant, and he or she may be placed on probation or removed from the program when not meeting minimum requirements.

Academic credit for work assignment will be determined by the student's major department and is not necessarily a part of the program.

For additional information, contact the
Cooperative Education Coordinator
Southern Station, Box 112
Hattiesburg, Mississippi 39401, or telephone
(601) 266-7111

THE STUDENT COMMUNITY, CAMPUS LIFE, AND ACTIVITIES

STUDENT HOUSING

Resident Housing

Three thousand one hundred and sixty-five (3,165) spaces in air-conditioned residence halls and three hundred and ninety-two (392) spaces in non-air-conditioned residence halls are available for students in thirteen (13) residence halls operated by the University. These include three residence halls which incorporate their own dining facilities (Hillcrest for women, Elam Arms for men, and Vann Hall for men on athletic scholarships). Elam Arms and Hillcrest have heated swimming pools. Bolton, Jones, Pulley, Roberts, Scott, and Wilber are the other air-conditioned residence halls for women. Bond is the other air-conditioned hall for men. Hattiesburg and Hickman Halls are the air-cooled residence halls for men and Mississippi Hall is the air-cooled residence hall for women.

When students occupy rooms in a residence hall, they obligate themselves to pay for one semester's room rent for that hall. Refunds for unused portions of room rent will be made only in case of withdrawal from the University. Residence hall fees are subject to change without notice. It is the responsibility of the student to determine the amount of fees for the residence hall to which he is assigned.

Each resident will be asked to contribute to the Residence Hall Fund which is used to pay for Homecoming decorations, courtesies, and other residence hall-sponsored activities.

All regularly enrolled undergraduate students under 21 years of age are required to live in one of the residence halls, unless they are married or live with parents or legal guardian, or have completed 65 semester hours and have parental consent to live off campus.

Students found to be residing off campus in violation of the on-campus-policy may be charged a full semester's room rent regardless of the time during the semester they are found to be in violation of the policy.

THE UNIVERSITY RESERVES THE RIGHT TO ENTER ROOMS FOR INSPECTION AND MAINTENANCE.

Application for campus housing should be made at the time of application for admission to the University. Applications are processed in order of date received, and residence hall assignments are based on the date of application. Roommate preference may be indicated on the application form, and, when possible, these preferences will be granted. However, the application is for accommodations in the residence halls and *not* for a specific roommate. Assignments of new students (freshman and transfer) to residence halls can be made only after the $15.00 deposit with an application for housing has been received by the Housing Office.

Priority of residence hall assignments goes to enrolled and former students. Assignment of enrolled and former students will be made at the end of each semester for the succeeding semester.

Residence hall assignments are mailed at least 15 days prior to the first day of registration for each semester. Those applying after the beginning of this fifteen-day period will receive a room assignment by mail if possible. If it is too late to mail the assignment, it may be secured at the Housing Office on the day the residence halls open.

Any person cancelling his reservation 15 days prior to the first day of registration will be refunded the $15.00 deposit. Those failing to cancel prior to the 15 days will forfeit their deposit. Cancellations must be made in writing.

Sorority members are expected to live in Wilber Hall, the Panhellenic Hall. Lodging in a fraternity house is available to the fraternity members and pledges. Arrangements are made directly with the fraternity.

During fall semester, all residence halls will open at 8:00 a.m., two days prior to registration. Former students who have been assigned a specific room must claim their room by 5:00 p.m. on the first day. All other students must claim their room by 5:00 p.m. on the second day. During the spring semester and summer session, the residence halls will open at noon, one day prior to registration. New students must claim their rooms by 5:00 p.m. on the day the halls open. Former students must claim their rooms by 5:00 p.m. on the first day of registration.

Changes between residence halls are made after registration with Housing Office approval. However, room changes may be made within the residence hall to which a student is assigned, provided the change has been approved by the Housing staff member of the residence hall and officially arranged in the Housing Office before the change is made.

Any person failing to claim his room by the time indicated above will forfeit the deposit.

All checks or money orders for housing deposits should be made out to the University of Southern Mississippi and mailed to:

The Director of Housing
University of Southern Mississippi
Southern Station, Box 64
Hattiesburg, Mississippi 39401

Other information concerning housing is available in the housing brochure.

Family Housing

Pine Haven Apartments, consisting of two hundred and ninety-six (296) one-two-and three-bedroom unfurnished units, are available on the campus for married students. A long waiting list exists each semester. An applicant's position on the list is determined by the date of receipt of the application and deposit.

The housing fee is payable at the beginning of the semester. The rent is due and payable at registration. A student obligates himself to the full fee for one semester's rent when he moves in, unless he withdraws from the University. A deposit of $15.00 is required at the time of application and is refundable if the request is cancelled thirty (30) days prior to the date for which the application is made.

Applications and brochures may be secured at the Pine Haven Office, or by writing to the Director of Housing.

Correct Address

Students are required at registration to give their correct local address. It is the respon-

sibility of each student to notify the Registrar's Office of any change of address as soon as the change occurs.

Food Service

All persons living in residence halls are expected to purchase a meal ticket for one of the food service facilities on campus. The Food Service Department serves well-planned, attractive meals which include a choice of two entrees, assorted vegetables, and self-service beverage and salad bars. The University Commons dining hall is available to all students except those who live in Hillcrest and Elam Arms. Residents of these two residence halls must purchase meal tickets for these dining halls.

A special diet program is offered for weight watchers at an extra cost of $40.00 per semester. The meal ticket is a twenty-meal/week contract and begins on the first day of registration and continues until the end of the semester. No supper is served Sunday evenings. The students pay cash for food service during the period of orientation and prior to the actual day of registration. A snack bar and grill is open in the Student Union which operates on an a la carte basis and offers a wide variety of foods with fast service.

HEALTH AND SAFETY SERVICES

While away from home, the University Clinic is here to serve as your family doctor offering the same range of services available at his office. Overnight clinic accommodation for less serious illness is available at no cost to full-time students. Consultation and hospitalization services of the patient's choice are available on a referral basis. The Clinic services include physician and nursing care (provided at no cost to *full-time* students only) and laboratory, x-ray, and apothecary service, all available at cost.

There is an excellent supplemental health insurance policy available. For information, go to Room 100, Student Services Building.

During the regular school semester the Clinic is open 24 hours a day, seven days a week and is staffed by registered nurses. Physicians' office hours are 9-12 and 1-5 Monday through Friday. The apothecary is open only during the physicians' office hours.

AUTOMOBILES ON CAMPUS

Students and employees of the University are required to register their automobiles with the Department of Campus Security. Temporary permits are issued when the automobile is to be on the campus less than fourteen days. Parking zones have been established along with other regulations. A brochure which outlines traffic and parking regulations may be secured from the Department of Campus Security. Penalities are assessed for violation of regulations and persistent violators may be denied the privilege of operating their vehicle on campus. Penalties are: violation of parking and/or decal violations $5.00 each; all moving violations $10.00 each.

All vehicle registrations expire August 31. Registration fees are:

Automobiles—$5.00
Motorcycles—$2.00
Bicycles—$1.00

STUDENT ACTIVITIES

The main source of the extra curricular activities at the University of Southern Mississippi is the multitude of student organizations and activities. Some 167 student organizations, of almost as many purposes and objectives, grace the Southern scene. These organizations include all categories of participation: service, social, religious, professional, honorary, activity, on and on to provide an opportunity for almost any interested student to participate. While these activities are outside of or "extra to" the formal curricula they are unquestionably a part of the student's total experience while he is enrolled at the University of Southern Mississippi.

In addition to the numerous student organizations, there are three groups which, by their representative function, serve the entire student body in their various capacities and

areas. These groups are: Associated Student Body, University Activities Council and Student Religious Federation.

While these groups are deliberative and purpose to represent the views and wishes of the entire student body, other student governing groups may be found in the residence halls, the fraternity and sorority system, and the international student community.

ASSOCIATED STUDENT BODY

The Associated Student Body of USM consists of every student enrolled in the University. It is structurally set up on government form, with executive, legislative, and judicial branches. The officers of the ASB comprise the executive branch, elected representatives from each school and college of the University make up the Senate or legislative branch, and the student courts comprise the judicial branch.

The ASB, however, is much more than a tightly structured student organization. It is an aid to the student in his University life, and is his official voice in University affairs. In maintaining this position of responsibility, the ASB serves the student in special services and projects and represents him on various committees and boards.

These services include a check cashing service, tutoring service, apartment directory, attorney referral program, campus advisory counselor, refrigerator rental, ride board, spouse card, discount directory, tax service, and student activity calendar.

ASB projects include voter registration drives, Miss Southern Pageant, spirit activities and cheerleaders, the student handbook, *THE DRAWL,* legislative lobbying, and recruiting.

ASB officials represent the student body on the Academic Council, Graduate Council, University Council, Disciplinary Committee, Athletic Continuity Committee, President's Board, Mayor's Student Board, Student Alumni Association, Student Aid and Scholarship Committee, Student Activity Committee, Library Committee, University Union Committee, and the Governor's and Congressmen Committee.

The Associated Student Body is constantly trying to improve the existing programs and services and implement new ones. It also continually attempts to voice student concerns in University affairs. By doing this, the ASB strives to meet its goal of promoting the general welfare of students in all phases of their lives at USM.

STUDENT PUBLICATIONS

THE STUDENT PRINTZ, winner of many national awards, is the University newspaper published semi-weekly by a staff of students under the direction of faculty advisers. **THE SOUTHERNER** is a yearly publication, published by a student staff under the direction of a faculty adviser. **CONTEMPORARY,** issued yearly and sponsored by Lambda Iota Tau, represents the best of student endeavor in short stories, essays, and poetry. **THE DRAWL,** a handbook for students, is published by the ASB.

RELIGIOUS LIFE

The University of Southern Mississippi is a state supported school and is entirely nonsectarian. Religious life is encouraged, and every effort is made to cooperate with local churches. The Student Religious Federation unifies the activities of all religious groups on the campus.

It is composed of students from the entire University community and seeks to provide channels for worship and religious development. Speakers, concerts, films, forums, and debates are some of its sponsored activities.

Religious Organization—Baptist Student Union, Campus Crusade for Christ, Christian Science, Episcopal Students, Hallelujah Way, Inter-Varsity Christian Fellowship, Jewish Student Union/Hillel, Koinonia-Church of Christ, Latter Day Saints, Lutheran Fellowship, Newman Club-Roman Catholic, Student Religious Federation, Wesley-Methodist, Westminster-Presbyterian, Muslim Student League.

The office of the University Chaplain and Coordinator of Religious Affairs works with all campus religious groups in helping them to effect their ministeries.

Danforth Chapel is a place of prayer and meditation for all and is often used for worship services and weddings.

ORGANIZATIONS

General Honor Societies—There are five general honor societies on the campus. A general honor society is an association that receives into membership individuals who have achieved high scholarship and who fulfill such additional requirements of distinction in some broad field of education and culture or in general leadership as the society has established. Phi Kappa Phi is a national honor society composed of men and women who have achieved superior scholarship accorded by the University. Omicron Delta Kappa is a national honorary leadership society, membership in which is the highest recognition accorded students of the University. Phi Delta Rho is a local honorary leadership society, membership in which is the highest recognition accorded women students of the University. Alpha Lambda Delta and Phi Eta Sigma are national honor societies which aim to encourage and reward high scholastic attainment among freshman students.

Academic Honor Societies—Alpha Epsilon Alpha (accounting), Alpha Epsilon Delta (medicine), Alpha Phi Omega (service), Alpha Psi Omega (dramatics), American Chemical Society Student Affiliate, Student Chapter of American Marketing Association (marketing), Beta Beta Beta (biology), Beta Gamma Sigma (business), Delta Sigma Pi (business), Home Economics Club, Kappa Delta Pi (education), Kappa Kappa Psi (band), Kappa Mu Epsilon (mathematics), Kappa Omicron Phi (home economics), Lambda Iota Tau (literary), Lambda Sigma, Mu Phi Epsilon (music), Omicron Delta Epsilon (economics), Orchesis (dance), Pershing Rifles Honor Society, Phi Alpha Theta (history), Phi Beta Lambda, Phi Delta Kappa (education), Phi Mu Alpha Sinfonia (music), Phi Chi Theta (women-business), Pi Delta Phi (French), Pi Gamma Mu (social science), Pi Kappa Lamba (music), Pi Omega Pi (business education), Pi Tau Chi (religion), Psi Chi (psychology), Rho Epsilon (real estate), Scabbard and Blade Society (military), Society of Advancement of Management, Tau Beta Sigma (band).

Service Organizations—Angel Flight, Arnold Air Society, Botegha, Business Fraternity Council, Circle K Club, Del Sur Company of L'Esprit de Corps, Honors Student Association, Interfraternity Council, Junior Panhellenic Council, Little Sisters of Minerva, M Club, Panhellenic Council, Pen and Sword, Phi Lambda Pi, Social and Rehabilitation Club, Veterans Voice of USM.

Other Organizations—Afro-American Cultural Society, Alpha Kappa Mu, American Civil Liberties Union, Bienvenidos, Chi Tau Epsilon, Chinese Student Association of USM, Food and Nutrition Club, Food Service Executive Association, Go-Shin-Do Martial Arts Team, Hallelujah Way, Hattiesburg Bike Club, HPER, Information Film Producers of America, Jewish Student Union, Latin American Cultural Exchange Society, Library Science Student Association, Logos, Love, Salvation, Determination Choir, Magnolia Junior Branch Food Service, Medical Technology Club, Moslem Students Association, Phi Theta Kappa Alumni Association of USM, Progressive Student Association, School of Social Work Club, Seven Jewels Study Club, Snow Ski Club, Society of Pre-Legal Students, Southern Barbell Club, Southern Geological Society, Southern Style, Southwestern Executive Sales Club, Student Alumni Association, Student Chapter of Music Educators National Conference, Student's International Meditation Society, Student Nursing Association, The Coalition for Student Involvement, The Student Guild, USM Aquatics Club, USM Art Education Club, USM Association for Promotion of Athletics, USM Bowling Sports Club, USM Citizens Band Club, USM Doctoral Students in Educational Administration and Supervision, USM Chapter of Council for Exceptional Children, USM Chapter of Lambda Alpha Epsilon, USM Collegiate Civitan Club, USM Community Chess Club, USM Student Chapter of Associated General Contractors of America, USM Society of Helping Hands, USM Society of Polymer Scientists, USM Softball Association, USM Student Planning Network, USM Table Tennis Club, USM Volleyball Club, USM Waterski Club, University Activities Council, Young Democrats, Young Republicans.

Social Fraternities—Ten social fraternities hold membership in the Interfraternity Council of the University. They are Alpha Tau Omega, Kappa Alpha, Kappa Alpha Psi, Kappa Sigma, Omega Psi Phi, Pi Kappa Alpha, Phi Kappa Tau, Sigma Alpha Epsilon, Sigma Nu, and Sigma Phi Epsilon.

Social Sororities—Eleven social sororities hold membership in the Panhellenic Council of the University. They are Alpha Kappa Alpha, Alpha Sigma Alpha, Chi Omega, Delta Delta Delta, Delta Gamma, Delta Sigma Theta, Delta Zeta, Kappa Delta, Phi Mu, Pi Beta Phi, and Sigma Sigma Sigma.

Dramatic, Musical, and Other Performing Groups—The University's preeminence in the fine arts fields of theatre and music is reflected in the prominent role of student performing groups. The Debate Squad and the University's own radio station also encourage student performance.

THE UNIVERSITY THEATRE, open to all students of the University, is the campus dramatic organization sponsored by the Department of Theatre Arts.

THE CHORAL UNION, composed of students from the entire University, meets one evening a week to perform the great works in choral literature, both sacred and secular.

THE OPERA WORKSHOP, open to all students of the University, performs many works of musico-dramatic interest during the year.

THE UNIVERSITY SINGERS, auditions for which are held during the first week of each semester, give numerous concerts and tours. There is usually a waiting list of applicants for membership. Within the UNIVERSITY SINGERS are a number of smaller ensembles, such as the Madrigal Singers and various male and female groups.

The University's bands and orchestras have an outstanding record of service to the University and the state.

THE SYMPHONIC BAND, which gives several formal concerts each year of the finest and most difficult wind literature, is comprised of selected student musicians.

THE CONCERT BAND, open to all University students, plays a concert each spring and serves as a laboratory band for new publications and for student composers and conductors.

THE VARSITY BAND, open to all University students, plays a concert each spring and serves as a laboratory band for student composers and conductors.

THE MARCHING BAND, known as "THE PRIDE OF MISSISSIPPI," presents colorful halftime shows at the University football games and appears regularly on national television. It is open to all University students.

THE DIXIE DARLINGS, a precision drill group, open by audition to the best girl dancers of the University, are well-known nationally through their many televised appearances with the Marching Band.

COLLEGIUM MUSICUM, open to singers, players of recorder, sackbut, krumhorn, viol, harpsichord, lute, cornetto, or other historical instruments, and to students with an interest in a scholarly, musicological approach to the performance of old and neglected music.

THE CHAMBER ENSEMBLES perform serious programs of the best original music for smaller groups.

THE PERCUSSION CHOIR AND MARIMBA ENSEMBLE utilize programs of original music for chamber percussion performance.

THE JAZZ LABORATORY BAND is a full-sized modern jazz ensemble which plays the latest arrangement of music in the big band contemporary idiom.

THE ROTC BAND, open by audition to freshman and sophomore ROTC students, provides music for ROTC functions.

THE UNIVERSITY OF SOUTHERN MISSISSIPPI SYMPHONY, open to all students and faculty members of the University, gives a number of concerts each year in addition to assisting with oratorios and operas.

Scholarships in all these musical groups are available to talented students. Auditions may be arranged through the Dean of the College of Fine Arts.

THE DEBATE SQUAD, open to all students, engages in intercollegiate competition at tournaments throughout the southeastern states. Students interested should contact the Department of Speech Communication. Some scholarships are available.

WMSU-AM is a University-owned carrier current radio station which broadcasts to the campus audience on 640 Khz. Students interested in working with the WMSU-AM staff should contact the Department of Radio, Television, and Film.

WMSU-FM is a University-owned educational radio-station which broadcasts to the Hattiesburg area. The student staff is selected by open auditions under the direction of the faculty adviser. Students interested in seeking a position on WMSU-FM should contact the Department of Radio, Television, and Film.

ATHLETICS

The University of Southern Mississippi is a member of the National Collegiate Athletic Association.

Intercollegiate sports are football, basketball, baseball, tennis, golf, and women's tennis and basketball.

Seasonal intramural sports, under the supervision of personnel from the Department of Intramural Sports, give every student an opportunity to take part in competition. Among the sports included on the program are tennis, golf, touch football, basketball, softball, badminton, volleyball, handball, track and swimming.

The University golf course, tennis courts, swimming pool, playgrounds, and gymnasium facilities are available to all students.

R. C. COOK UNIVERSITY UNION

The center of student activities at the University of Southern Mississippi is the R. C. Cook University Union, which houses the student organization offices, grill, recreational area, and meeting rooms. Students use the facilities of the University Union for recreation, social, religious, and organizational activities.

The University Union provides the University students a complete program of activities planned and presented through the University Activities Council.

The University Activities Council (UAC) is made up of interested students selected through an application-interview procedure. UAC activities include all facets of collegiate programming, the more prominent of which are: weekly movies, concerts, lecturers, special events, and travel.

The University Activities Council is recognized throughout the Gulf South as one of the outstanding collegiate programming groups, budgeted on per-student fee basis, that allows all students to attend **UAC** activities on the presentation of their student identification card, except for big name concerts when a nominal fee is charged.

Holding membership in the National Entertainment Conference and in the Association of College Union-International, the UAC keeps abreast of collegiate programming trends and developments throughout the nation, as well as the Gulf South.

UNIVERSITY COUNSELING CENTER

The purpose of the University Counseling Center is to assist each individual in deriving maximum benefit from his University experience and developing his full range of potentialities. The following professional counseling services are provided: vocational, educational, personal, and marital.

Students interested in choosing a major, exploring career choice, dealing with some aspects of personal or social development should feel free to contact the Center for an appointment. Everything that is said during a counseling interview is regarded as confidential. No information is released to any individual except with the approval of the student.

When appropriate, the student and the counselor may select tests to appraise abilities, interests, or personality characteristics. A library of educational and occupational information is maintained. College catalogs from other institutions and many books and pamphlets on educational and personal adjustment are also available.

Besides assisting students on an individual basis, the Center provides group study skills training to enable students to handle their academic pursuits better. How to organize study time, how to take notes, and how to take examinations are a few of the topics covered.

The Center provides growth experiences for students. Primary goals of these experiences are developing the student's ability to communicate and enhancing his skills in interpersonal relationships. The goal, therefore, is to provide students a chance to obtain in-

sight into their own behavior and the behavior of others in the context of a group experience.

The Center staff is available to work with campus groups in providing leadership or communication training. The primary goals of these groups are to improve leadership abilities and to enhance the communication function in organized group activity.

The Center is located in Room 200, Student Services Building. It is open from 8:00 A.M. to 5:00 P.M., Monday through Friday. Any person who is enrolled or expects to enroll as a student may use the services without charge. Spouses of students often use the Center. In order to make an appointment, a student may come by the Center or call 266-7111 or write to:

Director of the University Counseling Center
University of Southern Mississippi
Southern Station, Box 75
Hattiesburg, Mississippi 39401

OFFICE OF VETERANS AFFAIRS

The Office of Veterans Affairs is responsible for providing assistance to veterans and dependents of eligible veterans that will enable them to derive the maximum benefit from their veterans educational entitlement. Specific activities of this office include recruitment, outreach, counseling, tutorial assistance, basic education, and it sponsors the campus veterans organization.

OFFICE OF SPECIAL SERVICES

The Office of Special Services is responsible for providing educational assistance to students who are educationally and economically disadvantaged. This office is administering developmental programs to enhance these students' chances of deriving maximum benefit from their college experience. Specific services include counseling, tutoring, study skills, growth activities, and the coordination of developmental education programs in English, mathematics, and reading.

PLACEMENT BUREAU

The function of the Placement Bureau is dual in nature. It provides assistance to graduating seniors, graduate students, and alumni in obtaining suitable employment, and to employers in recruiting qualified employees. The services are provided at no cost to the student or to the employer.

Throughout the year, current listings of employment opportunities, both in state and out of state, in teaching, business, industry, and government are made available to the students. Also, on-campus interviews are scheduled with personnel representatives from schools, businesses, industries, and governmental agencies. Students registered with the Bureau are notified of these interview schedules, and all who are interested are given the opportunity for individual interviews.

All students should register with the Placement Bureau and establish a placement credential folder during the last semester of their junior year, or the first semester of their senior year. These placement credentials are very valuable to on-campus recruiters and to those who telephone or write for information about prospective employees. After graduation and/or when the registrant has found suitable employment, the placement file is stored and may be quite helpful in later years if a registrant wishes to change employment or to enter graduate school.

STUDENT EXPENSES

The University of Southern Mississippi is supported chiefly by legislative appropriations. Increases in student fees are put into effect only when public support funds are inadequate and no other recourse is available. Increases are made only for support of the institution or improvement of the activity program of the students; therefore the University must

reserve the right to increase or modify fees and expenses without prior notice but with approval of the Board of Trustees of State Institutions of Higher Learning.

Fees and expenses are in the form of general tuition, room and board, and special fees.

GENERAL TUITION. This fee, together with the allocation from the legislative appropriation, is used for general support of the University. Athletic activities, health service, and UAC programs are not included for part-time students.

Full-time students for purposes of assessing fees are as follows: Graduate School, nine (9) or more semester hours; all other schools and colleges, twelve (12) or more semester hours. Students enrolled for more than nineteen (19) semester hours will be assessed the applicable fee for each additional semester hour. (Students training under Veterans Administration programs are required to carry at least a minimum number of semester hours for the entire semester to receive full subsistence. The requirements are nine (9) semester hours on the graduate level and twelve (12) semester hours on the undergraduate level.)

Textbooks, except for textbooks in foreign language courses and certain other courses, are provided on a loan basis to all undergraduate students.

Clinical and hospital services covered by the health service charge included in the general tuition fee are limited to cases of ordinary illness. Services are provided within the limits of the professional, technical, and physical resources of the Clinic. The University does not assume responsibility in cases of extended illness or for treatment of chronic diseases. Cases requiring surgery must be handled by a physician and hospital of the student's choice.

ROOM AND BOARD. The room and board fees are assessed for all students living in University-controlled residence halls and those students living in fraternity houses. All students rooming in residence halls or fraternity houses are required to take their meals in the University Commons.

A room deposit of $15.00 is payable in advance for the reservation of space in the residence halls. This amount is held as a damage deposit until a student withdraws from the residence hall.

A student accepting residence hall space will be financially obligated to pay the full semester's room rent. A refund of the residence hall fee will be made only upon withdrawal from the University.

OTHER FINANCIAL INFORMATION. Fees of all students are due and payable at time of registration; however, fees of students enrolled for six semester hours or more may be paid one-half upon entrance and the balance one week prior to the beginning of the second half of the semester. Students with University loans, grants, or scholarships may defer only one-half of the amount not covered by their loan, grant, or scholarship. A $10.00 late charge will be assessed on any fees not paid in full by one week prior to the beginning of the second half of the semester. This procedure applies on all campuses and resident center locations.

The University reserves the right to withhold readmission to a student until all delinquent accounts have been paid. Transcripts of credits will not be issued for students whose accounts are delinquent. All fees must be paid before a degree is awarded.

Fines accumulated as a result of failure to adhere to the established procedures of the University, such as Library and Security regulations, or any other policy establishing regulations for the protection of University property, shall become collectible by the Bursar's Office, and, if not collected, shall constitute a delinquent account.

Students whose checks for registration are returned will be assessed the late registration fee of $10.00, in addition to the $6.00 returned check handling fee.

A fee of $2.00 for operation of the University Union is included in the fees of all full-time students. A $1.00 fee is added to the general tuition fee assessment of part-time students.

Courses requiring special fees and music fees are shown in the Special Fee listing (Table II).

A fee of $6.50 for **The Southerner** (University annual) is payable each school year by all full-time undergraduate students.

NON-RESIDENT STATUS. The Legislature of the State of Mississippi has passed the following legislation concerning non-resident status:

The board of trustees of each junior college in this state, the Board of Trustees of State Institutions of Higher Learning, and the administrative authorities of each institution governed by said boards, in ascertaining and determining the legal residence of and tuition to be charged any student applying for admission to such institutions, shall be governed by

the following definitions and conditions:

Legal residence of a minor. The residence of a person less than twenty-one (21) years of age is that of the father. After the death of the father, the residence of the minor is that of the mother. If the parents are divorced, the residence of the minor is that of the parent who was granted custody by the court; or, if custody was not granted, the residence continues to be that of the father. If both parents are dead, the residence of the minor is that of the last surviving parent at the time of that parent's death, unless the minor lives with a legal guardian of his person, duly appointed by a proper court of Mississippi, in which case his residence becomes that of the guardian.

Legal residence of an adult. The residence of an adult is that place where he is domiciled, that is, the place where he actually physically resides with the intention of remaining there indefintely or of returning there permanently when temporarily absent.

Removal of parents from Mississippi. If the parents of a minor who is enrolled as a student in an institution of higher learning move their legal residence from the State of Mississippi, the minor is immediately classified as a non-resident student.

Twelve months of residence required. No student may be admitted to any institution of higher learning as a resident of Mississippi unless his residence, as defined hereinabove, has been in the State of Mississippi for a continuous period of at least twelve (12) months immediately preceding his admission.

Residence in an educational institution not counted. A person who has entered the State of Mississippi from another state and enters an educational institution within twelve (12) months is considered a non-resident. For this reason, any period of time when such a person is enrolled in any educational institution in Mississippi may not be counted as any part of the twelve (12) months prerequisite to his admission to an institution of higher learning as a resident student. Even though he may have been legally adopted by a resident of Mississippi, or may have been a qualified voter, or a landowner, or may otherwise have sought to establish legal residence, such a person will still be considered as being a non-resident of Mississippi if he has entered this state for the purpose of enrolling in an educational institution.

Residence status of a married woman. A married woman may claim the residence status of her husband, or she may claim independent residence status under the same regulations, set forth above, as any other adult.

Children of parents who are employed by institutions of higher learning. Children of parents who are members of the faculty or staff of any institution under the jurisdiction of the board of trustees may be classified as residents during the time that their parents are such faculty or staff members without regard to the residence requirement of twelve (12) months, for the purpose of attendance at the institution where their parents are faculty or staff members.

Military personnel assigned an active duty station in Mississippi. Members of the Armed Forces on extended active duty and stationed within the State of Mississippi except those military personnel whose active duty assignment in the State of Mississippi is for educational purposes, may be classified as residents, without regard to the residence requirement of twelve (12) months, for the purpose of attendance of state-supported institutions of higher learning and junior colleges of the State of Mississippi. Resident status of such military personnel who are not legal residents of Mississippi as defined under "Legal residence of an adult" in paragraph 2 above, shall terminate upon their reassignment for duty in the continental United States outside the State of Mississippi.

Children of military personnel. Resident status of children of members of the Armed Forces on extended active duty shall be that of the military parent for the purpose of attending State-supported institutions of higher learning and junior colleges of the State of Mississippi during the time that their military parents are stationed within the State of Mississippi and shall be continued through the time that military parents are stationed in an overseas area with last duty assignments within the State of Mississippi, excepting temporary training assignments en route from Mississippi. Resident status of minor children shall terminate upon reassignment under Permanent Change of Station Orders of their military parent for duty in the continental United States outside the State of Mississippi, excepting temporary training assignments en route from Mississippi.

Certification of residence of military personnel. A military person on active duty stationed in Mississippi who wishes to avail himself or his dependents of the provisions of

paragraph 8, must submit a certificate from his military organization showing the name of the military member; the name of the department, if for a dependent; the name of the organization of assignment and its address (may be in the letterhead); that the military member will be on active duty stationed in Mississippi on the date of registration at the State-supported institution of higher learning or junior college of the State of Mississippi; that the military member is not on transfer orders; and the signature of the Commanding Officer, the Adjutant, or the Personnel Officer of the unit of assignment with signer's rank and title. A military certificate must be presented to the registrar of the State-supported institution of higher learning or junior college of the State of Mississippi each semester or trisemester at (or within ten (10) days Prior to) registration each semester for the provisions of paragraph 8 hereof to be effective.

Aliens. All aliens are classified as non-residents.

REFUND POLICY. A student who officially withdraws after enrollment in a semester may obtain a refund in accordance with the following:

Through second week	80%
Through third week	60%
Through fourth week	40%
Through fifth week	20%
After fifth week	-0-

The refund schedule above applies to students who drop to an hourly load below full time or from an overload to full time or below. The applicable percentage then applies to the difference between fees calculated on the resulting hourly load and the original assessment.

Room and board fees are refunded on the basis of full weeks remaining in the semester.

TABLE I

EXPENSES EACH UNIVERSITY SEMESTER/SESSION

(All fees are subject to change without notice. See page 29.)

FULL-TIME STUDENTS	FALL, SPRING SEMESTERS	SUMMER SESSION
Fixed Fees		
General Tuition*	$ 330.00	$ 220.00
**Room rent—air conditioned residence halls	234.00	156.00
Room rent—other residence halls	204.00	136.00
**Board	240.00	160.00
*General Tuition is payable each semester/session as are fees for room, board, and post office box if applicable.		
**Note: Hillcrest (Room and Board)	520.00	345.00
Elam Arms (Room and Board)	520.00	345.00
Vann Hall (Room and Board)	495.00	330.00
Other Fees When Applicable		
Non-resident fee	413.00	—
The Southerner (Fall only)	6.50	—
Post Office Box	2.05	2.05
PART-TIME STUDENTS—Each semester hour*		
General Tuition—graduate student	33.00	33.00
General Tuition—undergraduate student	27.00	27.00
Non-resident fee:		
Graduate student	46.00	—
Undergraduate student	35.00	—

*Note: These part-time fees apply on all campuses.

TABLE II

SPECIAL FEES AND EXPENSES

Departmental Fees:	
REF 416, 619, 735, 741; LS 416, 516, 622	$ 7.50 per course
ADE 495	7.00 per semester
CIE 480, 482, 484, 492, 493, each	20.00 per course
HEE 403	20.00 per course
SPE 480, 482, 483, 485, 486, each	20.00 per course
LS 489	10.00 per course
REC 300	50.00 per course
CIS 481, 482, 483, 484, 485, 486, 487, 488, 489, 491, 492, 493, 494, 496	20.00 per course
Music Fees—Private Lessons for other than Full-time Music Majors:	
1 semester hour per instructor	$ 35.00 per semester
2 semester hours per instructor	70.00 per semester
3 semester hours per instructor	110.00 per semester
Each additional supervised lesson	35.00 per semester
*Orchestral or Band Instrument rental	10.00 per semester

*This fee applies to music majors and minors as well as to other students.

Honors College	
Fee for binding thesis	$5.25 each copy
Reading Center, Individual Remedial Instructions:	
Special Students (Non-credit)	$35.00 per semester
Complete Reading Diagnosis	$30.00 with written report
Re-evaluation	$5.00
Speech and Hearing Clinic Services:	
Speech and Language Evaluation	$20.00 each
Speech and Language Therapy (Individual)	
2 fifty-minute sessions per week	$ 64.00 per month
3 fifty-minute sessions per week	96.00 per month
Speech and Language Therapy (Group)	
2 fifty-minute sessions per week	32.00 per month
3 fifty-minute sessions per week	48.00 per month
Language Group	25.00 per month
Audiometric-Complete except for special tests	$ 20.00 each
Hearing Aid Evaluation	20.00 each
Impedance Tests	$ 20.00 per hour
Special Tests	20.00 per hour
Ear Mold Impressions	$8.00 each
Lipreading/Auditory Training	$12.00 per hour
Examinations and Graduation:	
Challenge Examination	$10.00
Revalidation Examination	$30.00 when applicable
Special Examination	3.00 when applicable
Graduation Fee-Bachelor**	$12.00 with application for degree
Certificate	$2.75 when applicable
Continuing Education and Public Service	
Off-Campus Center	
Undergraduate Course	$ 27.00 per semester hour
Graduate Course	33.00 per semester hour
Resident Center—laboratory fee	$ 6.00 per course
Resident Center—typing fee	5.00 per course
Extension Center	
Undergraduate Course	$ 27.00 per semester hour
Graduate Course	33.00 per semester hour
Independent Study Courses	21.00 per semester hour

High School Independent Study course ..... $30.00 per half unit

Registration and Records:

Change of Schedule ..... $ 5.00 when applicable

Late Registration 10.00

Evaluation Fee for Foreign Students (Non-refundable) ..... $10.00 with application

Memorandum of Credits ..... .50 each

Transcript of Credits ..... $1.00 when applicable

**Requests for refund of this fee will be based on circumstances existing at the time of request in accordance with policy on file.

STUDENT FINANCIAL AID

The following information is a summary of the financial aid program. For further information and application forms, write to:

Director of Financial Aid
University of Southern Mississippi
Southern Station, Box 101
Hattiesburg, Mississippi 39401

APPLICATION

Application should be made by March 15, 1978.

A. The regular application for financial aid to attend the University of Southern Mississippi is required for all applicants for financial aid.

B. The Family Financial Statement (FFS) must be submitted to American College Testing Program (ACT) and the University of Southern Mississippi designated as one of the recipients of the Comprehensive Financial Aid Report (CFAR).

C. The Basic Educational Opportunity Grant Program (BEOG) application must be submitted either as part of the Family Financial Statement (FFS) or the separate BEOG application, and the Student Eligibility Report which you will receive must be submitted to the University.

The student must apply for financial aid to the University and submit the Family Financial Statement (FFS) or the separate Basic Educational Opportunity Grant (BEOG) application to be considered for financial aid through the following federal sources:

1. Basic Educational Opportunity Grant (BEOG)
2. National Direct Student Loan (NDSL)
3. Nursing Student Loan (NSL)
4. Supplemental Educational Opportunity Grants (SEOG)
5. College Work-Study Program (CWSP)
6. On-Campus Student Employment

The specific application for each of the following is required for consideration for financial aid through these sources:

1. Academic Scholarships
2. Regional Merit Scholarships
3. Service Scholarships
4. Off-Campus Employment
5. Short-term Loan
6. Federally Insured Loan
7. Law Enforcement Education Program

All applicants for financial aid of any type must have been accepted for admission at the University before assistance can be granted. This does not preclude the submission of an application for assistance at the time application for admission to the University is made.

FAMILY FINANCIAL STATEMENT REQUIRED

The University of Southern Mississippi participates in the American College Testing Program (ACT) financial need analysis program. The ACT financial need analysis program assists colleges and universities and other agencies in determining the student's need for financial assistance. All students seeking financial assistance are required to submit a copy of Family Financial Statement (FFS) form to ACT, Iowa City, Iowa, designating the

University of Southern Mississippi as one of the recipients. The ACT Family Financial Statement form may be obtained from a secondary school, the Financial Aid Office, or ACT, Iowa City, Iowa.
NOTE: The Family Financial Statement alone is not an application for assistance. This statement is, however, a necessary part of the application for the National Direct Student Loan, College Work-Study Program, and the Supplemental Educational Opportunity Grant Program.

BASIC EDUCATIONAL OPPORTUNITY GRANT PROGRAM

The Basic Educational Opportunity Grant Program is a federal aid program designed to provide financial assistance to those who need it to attend post-high school educational institutions. Basic Grants are intended to be the "floor" of a financial aid package and may be combined with other forms of financial assistance in order to meet the full costs of education. The amount of a Basic Grant is determined on the basis of the student's and his family's financial resources.

All undergraduate students who began their post-high school education after April 1, 1973, are urged to apply for the Basic Grant. Applications may be obtained from high school counselors and at the Financial Aid Office.

Those students who apply for other financial assistance must submit their Basic Grant to the Financial Aid Office before their applications can be reviewed. The Basic Grant Notification Report (called Student Eligibility Report), which you will receive from the Processing Center, must be submitted whether or not you have been determined eligible to receive a Basic Grant for that academic year.

STUDENT EMPLOYMENT ON CAMPUS. Student jobs are awarded during the month of August (and as vacancies occur during the school year) to those students who have applied for them. Students work from ten to fifteen hours per week. Student employees are paid the minimum wage. These student employees (approximately 400) are an important part of the working staff of the University, and their work must be done in a highly efficient manner. Applications received after August 1 cannot be considered for the fall semester.

OFF-CAMPUS EMPLOYMENT. Work in town is available to many students. Employers often call the University for part-time workers. Students who have applied for this type work are referred to them. Approximately 500 students hold part-time positions in Hattiesburg and surrounding communities. Salaries vary according to the position held. Applications for work in town are received at any time during the year. Referrals are made as requests are received from employers.

ACADEMIC SCHOLARSHIPS. Academic Scholarships, based on scholarly ability, are available in all fields of study. They range in value from $100.00 to $500.00 for the nine months. Students who have demonstrated outstanding ability in any particular field of study are encouraged to apply for one of these scholarships.

REGIONAL MERIT SCHOLARSHIPS. A limited number of Regional Merit (out-of-state) Scholarships are awarded to students of exceptional ability whose residence is outside the State of Mississippi. These scholarships represent a waiver of non-resident fees.

SERVICE SCHOLARSHIPS. Service Scholarships are based on skill and ability. These scholarships are available in band and music as well as in athletics.

LOAN PROGRAMS. Loan programs, both short-term and long-term, are available to the student who needs to make use of them. The University administers the National Direct Student Loan, the Federally Insured Loan, and the Nursing Student Loan. Additional information may be obtained by writing the Director of Financial Aid.

COLLEGE WORK-STUDY PROGRAM

Title I, Part C, of the Economic Opportunity Act of 1964 initiated the College Work-Study Program to stimulate and promote the part-time employment of students in institutions of higher education who are from low-income families or are in need of the earnings from such employment to pursue courses of study at such institutions. Primary consideration is given to those students from low-income families. Additional information may be obtained by writing the Director of Financial Aid.

SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS

Supplemental Educational Opportunity Grants were authorized by the Higher Education Amendments of 1972. An institution may award a Supplemental Educational Opportunity Grant to a student only if it determines that such student: (1) is a national of the United States for other than a temporary purpose and intends to become a permanent resident; (2) has been accepted for enrollment as a full-time undergraduate student, or is in good standing and in full-time attendance as an undergraduate student; (3) shows evidence of academic or creative promise and capability of maintaining good standing in his course of study; (4) is of exceptional financial need; and (5) would not be financially able to attend the institution without a Supplemental Educational Opportunity Grant. A grant **may not** be given to any student for study beyond the **first four** years of full-time study.

LAW ENFORCEMENT EDUCATION PROGRAM

Title I, Part D., Section 406 of the Omnibus Crime Control and Safe Streets Act of 1968 (Public Law 90-351) authorized the establishment of the Law Enforcement Education Program.

The Law Enforcement Education Program provides assistance through both grants and loans. Both grants and/or loans are available to inservice law enforcement personnel. Pre-service applicants are eligible for loans only. Pre-law and law students are not eligible to participate in this program.

Additional information and application forms may be secured by writing:

Director of Financial Aid
Southern Station, Box 101
Hattiesburg, Mississippi

ROTC SCHOLARSHIP PROGRAM

See Military Science and Aerospace Studies sections for scholarship information.

MARINE OFFICER PROGRAMS

Qualified students may apply for an officer program leading to a commission as a Second Lieutenant in the United States Marine Corps. Commissions are offered in both ground and aviation components. The Platoon Leaders Course (PLC) is offered to freshmen, sophomores, and juniors who attend precommissioning training during the summer. Financial assistance and Flight Indoctrination Programs are available. Qualified seniors attend twelve weeks of training in the Officer Candidate Course (OCC) after graduation. For details, contact the Placement Officer or the Marine Officer Selection Officer when he is on campus.

UNIVERSITY OF SOUTHERN MISSISSIPPI FOUNDATION

The University of Southern Mississippi Foundation is a Mississippi corporation whose sole purpose is to receive and manage gifts, contributions, and donations to the University of Southern Mississippi for educational purposes. It provides a centralized receptacle for receiving gifts of any nature to the University, handling these in a manner prescribed by the donor or in accordance with good business judgment, and making the gifts work for the growth and development of **Southern.** The Foundation is managed by a Board of Directors composed of former students and friends of the University.

The Foundation Charter was so drawn that assistance could be given to any area of development at **Southern** so long as it is used for educational purposes. Some of the long-range plans include: sponsoring research, sponsoring faculty chairs, supplementing faculty salaries, aiding the library, providing, special equipment, making possible achievement

awards for faculty and students, providing fellowships and scholarships, and contributing to the building of the physical plant.

During the early years of the Foundation, emphasis will be placed on securing scholarship funds. This is considered to be one of the greatest needs at the present time. The Foundation solicits the funds, but the awards are made by the University Scholarship Committee.

SCHOLARSHIPS AVAILABLE THROUGH THE FOUNDATION

Accounting Achievement Endowment—Scholarships to recognize achievement by accounting majors and other activities for the benefit of the Department of Accounting.

Reynolds T. Alonzo, Sr., Loan Fund—To assist students to continue their college education.

American Legion Post #139, Bay St. Louis—Scholarships for worthy undergraduate students who maintain C or better average with preference given to children of Post members who reside in Hancock County.

American Tung Growers Loan Fund—Provides rotating loans for junior, senior, and graduate students majoring in Polymer Science.

Associated General Contractors Scholarship of Mississippi Incorporated—Provides scholarships for the building construction technology program in the College of Science and Technology.

Oliver V. Austin—Deserving, undergraduate major in science.

Nancy Baker Endowed—In memory of a former faculty member. Awarded to individuals planning careers in social work.

Carrie Norton Herring Bennett—Fellowship to be awarded to a graduate student in the School of Home Economics upon the recommendation of the faculty of that School. Recipients must pay at least half of the sum received within two years of graduation or last attendance.

R. G. Bigelow—High academic, junior, senior, or graduate student who plans to teach.

S. H. Blair Scholarship—Award to any qualified student at USM who graduated from the Hattiesburg Public School System, in need of financial assistance, who is enrolled in the area of School Administration or area of Physical Education showing a preference for the coaching field—other than scholarship athletes.

B.P.O. Elks Lodge #599, Hattiesburg—Award to a capable and deserving student from Forrest, Jones, Perry, Lamar, Covington or Marion County.

Kathy Brown—Sponsored by Pen and Sword—Funds from this endowment program shall be awarded to: 1—Active military personnel or dependents of former USM Bootstrappers; 2—Dependents of military personnel; or 3—Other eligibles.

Century Club—Scholarships for athletes.

Mrs. A. F. Chisholm—Capable and deserving student.

Citizens Bank, Columbia—Capable and deserving Marion County student.

Citizens Bank of Hattiesburg—Capable and deserving student with preference given to Forrest County and/or Mississippi.

William M. Colmer American Studies Scholarship—Recommendations will be made from American Studies Committee, Chairman, Department of Political Science, and Dean of the College of Liberal Arts for students in American Studies who demonstrate the ideals which Mr. Colmer held in love, loyalty, patriotism to his country.

Commercial National Bank and Trust Company, Laurel—Capable and deserving Jones County student.

Ben F. Courtney—Native of Forrest County, business administration major, and in need of financial aid.

Betty Dukes Craft—Sponsored by Forrest County Home Economics Alumnae and James K. Dukes, brother of Betty Dukes Craft. Outstanding student in Home Economics.

Will H. Davis Real Estate Scholarship—Awarded to a capable and deserving student upon recommendation from real estate area.

Debate Squad Scholarships—Ranging from $50 to $100 per semester to students participating in the USM Intercollegiate Debate Program. Awards based on debate capability on recommendation of the Director of Forensics.

Distinguished Professor Award—Presented in the name of the Distinguished Professor of the Year in the same discipline.

Faulkner Concrete Pipe Company, Hattiesburg—Merit and need.

First Citizens Bank & Trust Company, Poplarville, Scholarship—Awarded on a rotating basis to capable and deserving students in need of financial assistance with preference given to customers of the bank.

First Magnolia Federal Savings and Loan—Economics or Finance.

First Mississippi Corporation—Provide scholarships for students based on scholastic ability, achievement, and need.

First Federal Savings and Loan Association, Pascagoula-Moss point—Capable and deserving Jackson County student.

First Mississippi National Bank, Hattiesburg—Best interest of the University with preference to surrounding area students. Economic need is a factor. Ten awarded.

First National Bank of Laurel—Awarded to a resident of Covington, Jasper, Jones, Perry, Smith, or Wayne County.

Mr. and Mrs. L. Y. Foote Endowment—Best interest of the University with economic need a factor.

Forrest County Alumni Chapter—Capable and deserving Forrest County students.

Bertha M. Fritzsche Graduate Fellowship—Outstanding student in Home Economics.

Gulf National Bank, Gulfport—Hancock or Harrison County student with B average in high school with financial need.

Lester Haddox—Worthy and promising student from Marion, Amite, Lincoln, Pike, or Walthall County.

Clifford H. and Dr. Sarah L. Hagenson—To be awarded to a student majoring in early childhood education upon recommendation by College of Education and Psychology.

Hancock Bank, Gulfport—Junior or senior student residing in Hancock or Harrison County, majoring in Business Administration.

Harrison County Alumni Chapter—Capable and deserving Harrison County students.

W. B. Harlan Memorial—Economic need, male student in Business Administration.

Hercules, Incorporated—Scholarships to be awarded to financially needy students in the College of Science and Technology beyond the sophomore year upon the advice of the dean; at least one to be awarded to a member of a minority race.

Fern R. Hesson—Scholarship for worthy undergraduate student in the field of School Food Services.

Alma Hickman—Capable and needy student.

Jones County Alumni Chapter—Capable and deserving Jones County students; preference given to junior or senior students.

Junior Panhellenic Council—Scholarships for outstanding sorority women.

Eleanor and J. B. Kirkland—Provide scholarship assistance to capable and deserving students.

Mr. and Mrs. L. C. Kirkland Endowed Scholarship—Established in memory of their parents, Mr. and Mrs. George Tyson Brewster and Mr. and Mrs. Elijah Thomas Kirkland; to be awarded to capable and deserving students in need of financial assistance.

Selma Krell Endowed—Students in the Department of Theatre Arts.

Ethel Whatley Kroker—Awarded to capable and deserving students with preference given to blood relatives, according to ability and financial need.

Mr. and Mrs. J. D. Lewis Endowment—Scholarship to be awarded on the basis of citizenship record, economic need, academic work, and Mississippian.

L & A Contracting Company—Capable and deserving student.

Lamar County Alumni Chapter—Capable and needy Lamar County student.

Laurel Federal Savings & Loan Association—To be awarded to a student majoring in Finance, Economics, or Business Administration who resides in Jones, Wayne, Jasper, Covington, Smith, Simpson, or Perry County who needs financial assistance.

E. Lubritz—Capable and deserving junior or senior student majoring in Art Education.

Carl L. McQuagge Memorial—Award to a person planning to teach school.

Raymond Mannoni—Students majoring in the College of Fine Arts on merit basis.

Marion County Alumni Chapter—Honoring Doyle M. Coats and Miss Chrystelle Ford; to be presented to an outstanding Marion County student.
Medical Technology—Majors in this area.
Movie Star Corporation—Capable and deserving student; preference given to children of employees.
William Walter Munson Memorial—Worthy boys and girls who are enrolled as regular students.
Nursing Scholarships—Capable and deserving students majoring in nursing.
George Robert Olliphant Memorial—Scholarships for needy and deserving students from Mississippi with preference to Enterprise or to Clarke County.
Paint Research Institute—Graduate fellowship in Chemistry.
Peck Oil Company—Capable and deserving Forrest County student.
Phi Kappa Phi—Awarded to an outstanding student upon the recommendation of Phi Kappa Phi.
Photography Scholarship—Awarded to a capable and deserving student upon the recommendation of the faculty in that area.
Pine Belt Savings & Loan Association—Capable and deserving student who resides in the area of operations of the association in the College of Business Administration.
Pi Omega Pi—Outstanding student in Business Education.
Mary W. Pulley, Mr. and Mrs. James L. Pulley, and Mrs. Jessie P. Gough Memorial Endowed Scholarships—To help worthy students in the ongoing of their education.
M. M. Roberts—Capable and deserving undergraduate student who is a Mississippian.
Tom Pevey Memorial Award—Sponsored by Hattiesburg Lion's Club for Speech and Hearing Science majors.
Mrs. Lula Beverly Praytor Sartin—Award to a worthy boy or girl who needs help to complete his/her college education.
School of Social Work Fellowship—Awarded to those in this School.
Star-Herald Scholarship—To be awarded to a needy student in Journalism upon recommendation of Journalism faculty.
W. W. Stout Memorial—Creative student majoring in English.
Study Abroad—To assist students in their Studies Abroad Program sponsored by the Foreign Language Department.
Emmett V. Thomas—Capable and deserving students.
John D. Thomas Family Home Economics—Capable and worthy student majoring in Home Economics.
John D. Thomas Family Music Scholarship—Music majors, sophomore or advanced standing, good academic average, Baptist, financial need. Sponsored by Mr. and Mrs. John D. Thomas, Hattiesburg.
William A. Thomson—Capable and deserving student in the Hattiesburg area.
Douglas A. Traweek—Senior student with preference given to Clarke County.
B. O. Van Hook Golf Scholarship—Scholarships for outstanding members of the golf team.
J. Fred Walker—Awarded to an outstanding student in biology or pre-med each year.
Washington County Alumni Chapter—Capable and deserving students from Washington County.
Ivah O. Wilber Panhellenic Scholarship—To be awarded annually to a sorority woman upon recommendation of the Dean of Students (Women), the Panhellenic Adviser, and the Panhellenic Council in memory of the former Dean of Women and Panhellenic Adviser.
John Everett Williams Memorial—Sponsored by Jackson County Alumni Chapter—Outstanding students from Jackson County.
1958 Class Endowment—Capable and needy student.
1959 Class Endowment—Capable and needy student.
1960 Class Endowment—Capable and needy student.
1961 Class Endowment—Capable and needy student.
1962 Class Endowment—Capable and needy student.
Scholarship Fund of the Sixties—Capable and needy student.

UNIVERSITY LIBRARY SERVICES

Library functions at the University of Southern Mississippi are organized into three major units: the Joseph Anderson Cook Memorial Library, the William David McCain Graduate Library, and the Teaching-Learning Resources Center. Each unit is administered by a director who reports to the Dean of the School of Library Service. In addition to serving as the academic dean to these directors, the Dean of the School of Library Service also has primary responsibility for the academic program of professional education in librarianship. Thus, the School of Library Service unites University libraries and related instructional faculty into one administrative structure.

The Joseph Anderson Cook Memorial Library

The Joseph Anderson Cook Memorial Library contains the principal collections of books, microforms, and other printed materials which directly support the instructional program of the University at all levels. The building is a modern, two story structure which is fire-proof and air-conditioned. Being of modular construction, the building readily lends itself to readjustments in the shelving of materials as holdings increase. Book stacks and reading areas are intermingled throughout the building, and the open shelf method of access to materials is utilized. The Cook Library is currently acquisitioning over 30,000 volumes annually, along with 2,000 journals and extensive microform holdings. On February 1, 1974, the Cook Library converted from the Dewey Decimal Classification System to that of the Library of Congress. Reclassification from Dewey to Library of Congress is proceeding as rapidly as possible. Until reclassification is complete, however, it will be necessary to maintain two shelving systems.

The William David McCain Graduate Library

The William David McCain Library, which opened in 1976, contains the University's special collections of manuscripts, books, and memorabilia; University Archives; and government documents. These collections are maintained primarily to support research in selected areas. Among the special collections, the following holdings are the most prominent: Mississippiana, the de Grummond Children's Literature Collection, the Woods Collection of rare books, and the papers of William M. Colmer and Theodore G. Bilbo.

The Teaching-Learning Resources Center

Students are provided access to non-print media through the Learning-Resources Center located in Room 107 on the ground floor of the McCain Library. The Center contains study carrels for individualized, self-paced learning. These carrels are equipped with a variety of audio-visual devices including audio cassette players, videocassette players, slide projectors, filmstrip projectors, and motion picture projectors. The non-print media collection contains material from a variety of subjects and is supplemented by materials placed on reserve in the Center by faculty members. The Teaching-Learning Resources Center also provides a wide range of services to faculty members in order to assist them in maintaining a high level of instructional quality for students enrolled at the University of Southern Mississippi.

THE ENGLISH LANGUAGE INSTITUTE

The English Language Institute offers five- and ten-week orientation courses to non-English speaking people, with classes in the culture and customs of the United States and in the English language, including conversation, grammar, and composition. These courses are attended by business and professional people as well as students from colleges and universities throughout Latin America, Europe, and Asia.

The Institute offers the international student the opportunity to meet English-speaking students and participate in the extra-curricular activities of the University.

Students enrolled in the English Language Institute receive over 300 hours of instruction during the ten-week period, using the latest teaching methods and materials including teaching machines and programmed texts, tapes, audio-visual aids, etc.

Both the Michigan Language Proficiency Test and the Educational Testing Service's Test of English as a Foreign Language are offered through the Institute at specified dates

during the year. Any international student may take these examinations by applying in advance to the Institute or respectively to the University of Michigan or to the Educational Testing Service. For further information, write to:

The Director
English Language Institute
University of Southern Mississippi
Southern Station, Box 65
Hattiesburg, Mississippi 39401

UNIVERSITY OF SOUTHERN MISSISSIPPI ALUMNI ASSOCIATION

The Alumni Association has been in existence since 1917. During the early years its chief function was related to placement service. Beginning with the session of 1945-1946, the organization experienced a rebirth. Recognizing the fact that a working alumni association is vital to the development of the institution, the Executive Committee began the organization of alumni groups in the various counties of the state. On July 1, 1953, a full-time executive secretary was employed.

The Association publishes the ALUMNI NEWS magazine four times a year. Active members of the Association receive all issues while four issues of SOUTHERN NEWS AND VIEWS are mailed to all persons on record in the Alumni Office. Graduates and former students are urged to become active members of the organization and to help support the program of activities that is designed to assist the University in its growth and development.

The Alumni Association sponsored the drive to raise the funds necessary for the construction of the first R. C. Cook University Union Building (now R. A. McLemore Hall). These funds were secured from alumni, faculty, students, friends, and the people of Forrest County and the state.

For the past several years the Association has enlisted in excess of 10,000 active members with 13,220 being included during the most recent year. This has grown from 158 during the 1952-1953 year.

At the 1954 Homecoming meeting, the association voted to observe March 30 as University of Southern Mississippi Day. Former students of the University are urged to get together on this date when two or more reside in the same area. Organized chapters elect officers at this meeting. March 30 was selected from the important dates in the history of the school because it was on this day in 1910 that the Mississippi Legislature enacted legislation establishing the institution.

The Alumni Association helped set up the University of Southern Mississippi Foundation which is the receptacle for all gifts to Southern, which gifts are, in turn, channeled into scholarships for the students.

The Association organized, and works very closely with, the Student-Alumni Association. The purpose of this organization is to get students involved with the activities which the Alumni Association promotes in the interest of the University. A maximum of 100 students are selected on the basis of their leadership ability and where they reside; these students are a very interested and active part of the Association.

A. ORGANIZATION FOR INSTRUCTION

The University of Southern Mississippi for purposes of undergraduate instruction is organized into the College of Business Administration, the College of Education and Psychology, the College of Fine Arts, the College of Liberal Arts, the College of Science and Technology, the School of Health, Physical Education, and Recreation, the School of Home Economics, the School of Library Service, and the School of Nursing.

The University of Southern Mississippi offers baccalaureate degrees in the following areas.

College/School	Department	Major	Degree*
College of Business Administration			
	Accounting		
		Accounting	BSBA
		Accounting/Data Processing	BSBA
	Economics		
		Economics	BSBA
	Finance and General Business		
		Banking and Finance	BSBA
		Business Administration	BSBA
		Real Estate and Insurance	BSBA
	Management		
		Industrial Management	BSBA
		Personnel Management	BSBA
	Marketing		
		Advertising	BSBA
		Marketing Management	BSBA
		Sales Management	BSBA
	(Gulf Park and Natchez)		
		Business Administration	BS
College of Education and Psychology			
	Business Education		
		Bilingual Secretarial Studies	BS
		Business Education	BS
		Office Management	BS
	Counseling Psychology and Counselor Education		
		Social and Rehabilitation Services	BS
	Curriculum and Instruction		
		Elementary Education	BS
		Secondary Education	BS
	Industrial and Vocational Education		
		Industrial Arts	BS
		Industrial Mechanics	BS
		Industrial and Vocational Education	BS
	Psychology		
		Psychology	BA,BS
	Special Education		
		Special Education	BS
College of Fine Arts			
	Art		
		Art	BA,BFA

*Degree Abbreviations: (BA) Bachelor of Arts, (BFA) Bachelor of Fine Arts, (BM) Bachelor of Music, (BME) Bachelor of Music Education, (BS) Bachelor of Science, and (BSBA) Bachelor of Science in Business Administration.

Music		
	Music	BM
	Music Education	BME
Theatre Arts		
	Dance	BFA
	Theatre	BFA

College of Liberal Arts

Criminal Justice		
	Criminal Justice	BA,BS
English		
	English	BA,BS
	Linguistics	BA
Foreign Language		
	Classics	BA,BS
	French	BA,BS
	German	BA,BS
	Spanish	BA,BS
Geography and Area Development		
	Community and Regional Planning	BS
	Economics	BA
	Geography	BA,BS
History		
	American Studies	BA,BS
	History	BA,BS
	Latin American Studies	BA,BS
	Social Studies	BA,BS
Journalism		
	Advertising	BA,BS
	Journalism	BA,BS
Philosophy and Religion		
	Philosophy	BA,BS
	Philosophy and Religion	BA,BS
Political Science		
	Paralegal Studies	BA,BS
	Political Science (Pre-Law)**	BA,BS
Radio, Television, and Film		
	Radio, Television, and Film	BA,BS
Sociology and Anthropology		
	Anthropology	BA,BS
	Sociology	BA,BS
Speech and Hearing Sciences		
	Audiology	BA,BS
	Education of the Deaf	BA,BS
	Language Disorders	BA,BS
	Speech Pathology	BA,BS
Speech Communication		
	Communication	BA,BS
	Public Address	BA,BS

College of Science and Technology

Biology		
	Biology (Pre-Professional Studies)***	BA,BS

**This program does not lead to a degree. Students completing this program obtain a major in Political Science with an emphasis area in Pre-Law.

***This program does not lead to a degree. Students may select an emphasis from the following areas: Pre-Medical Records Administration, Pre-Dental, Pre-Dental Hygiene, Pre-Engineering, Pre-Medical, Pre-Optometry, Pre-Pharmacy, Pre-Physical Therapy, and Pre-Veterinary Medicine.

Chemistry		
	Chemistry	BS
Computer Science and Statistics		
	Computer Science	BS
	Computer Science/Data Processing	BS
	Computer Technology	BS
	Statistics	BS
Construction and Architectural Technology		
	Architectural Technology	BS
	Building Construction Technology	BS
Geology		
	Geology	BS
Industrial Technology		
	Environmental Technology	BS
	Industrial Technology	BS
	Mechanical Technology	BS
Mathematics		
	Mathematics	BA,BS
Medical Technology		
	Medical Technology	BS
Microbiology		
	Food Science Technology	BS
	Microbiology	BS
Physics and Astronomy		
	Physics	BS
Polymer Science		
	Plastics Technology	BS
	Polymer Science	BS
Science Education		
	Science Education	BS

School of Health, Physical Education, and Recreation

Athletic Administration and Coaching		
	Athletic Administration and Coaching	BS
Health and Safety Education		
	Health Education	BS
Physical Education		
	Physical Education	BS
Recreation		
	Recreation	BS

School of Home Economics

Environmental Design		
	Clothing Merchandising	BS
	Clothing and Textiles	BS
	Interior Design	BS
Family Life Services		
	Child Development	BS
	Home Economics in Equipment	BS
	Marriage and Family Living	BS
Home Economics Education		
	Home Economics Education	BS
Institution Administration		
	Food and Nutrition	BS
	Dietetics	BS
	Hotel and Restaurant Administration	BS
	Institution Management	BS

School of Library Service
Library Science — BA,BS

School of Nursing
Nursing/Baccalaureate Studies
Nursing — BS

Obviously, many of these majors involve the closest cooperation among the University's academic departments. A detailed analysis of majors, emphasis areas, and minors is found under the section of this catalog devoted to each specific college or school.

B. GENERAL ACADEMIC REGULATIONS

1. **Semester Calendar:** Effective Fall 1978-1979, the University of Southern Mississippi will be on the semester calendar.

2. **Penalties for Late Registration:** Registration will continue after the close of the scheduled registration period (see Calendar) for seven class days. Beginning at 8:00 A.M. on the eighth day of scheduled class work all registrations will cease for that semester.

A late registration fee will be charged to all students registering after the scheduled registration period. The fee is ten dollars ($10.00).

3. **Change of Schedule and Withdrawal from the University:** A student may be allowed to drop a course through the 26th class day. A student dropping a course after this deadline will receive a grade of W or F. A dean may permit a student to drop a course after the deadline without penalty if extenuating circumstances exist. A fee of five dollars ($5.00) is charged for a change in registration after the regular scheduled registration period (see Calendar).

A student withdrawing from the University prior to the deadline for dropping classes will not receive any grades. His record will show the date of withdrawal only. A student withdrawing after the deadline for dropping courses will receive a grade W (withdrawal passing) or a grade of F (withdrawal failing).

4. **Load of Work:** The typical student load is twelve (12) to nineteen (19) semester hours.

1. Freshmen—not over 16 hours without dean of college or school approval. Nineteen hours is the maximum load for freshmen.
2. Sophomores—not over 16 hours without dean of college or school approval based on 3.0 GPA. Nineteen hours is the maximum load for sophomores.
3. Junior and Seniors—not over 18 hours without dean of college or school approval. The maximum load for juniors and seniors is twenty-one (21) hours.

5. **Absences:** Students are expected to attend all classes each time the classes meet. When it is necessary that a student be absent from a class, courtesy requires an explanation to the instructor in charge. Class attendance policy will be set by the professor. It will be the responsibility of each professor to notify his classes at the outset of each semester as to the attendance requirements to which each student must adhere. Teachers should report all excessive absences to the Dean of Students. When students are absent because of sickness or other acceptable reason, their professors are so notified by the Dean of Students. An absence on a day immediately preceding or following an official holiday is considered as two absences.

6. Examinations: Examinations will be held on the last five days of each semester (see Calendar).

No final examinations are permitted prior to the scheduled examination period (see Calendar).

A student who is absent from the examination without valid reason approved by the Vice President for Academic Affairs forfeits credit for the semester.

7. **Grading System:**

A— indicates superior work and carries 4 quality points per semester hour.

B — indicates excellent work and carries 3 quality points per semester hour.

C — indicates average work and carries 2 quality points per semester hour.

D— indicates inferior work and carries 1 quality point per semester hour.

E — indicates a course in progress. Not included in the grade point average, a grade of **E** shall be awarded for graduate thesis and dissertation courses and for such self-paced or skill courses as the Academic and/or Graduate Council may designate. An **E** shall be changed to a **P** or a valuative grade (**A, B, C, D, F**) only in the case of credit for thesis and dissertations and then only for the minimum hours required (usually 6 hours). Otherwise, the **E** remains on the record indicating that to receive credit the student must re-register for the undergraduate course, repeating it on a regular basis until completing it. Upon completion, the appropriate grade, whether **P** or valuative, shall be assigned.

F — indicates failure and carries no quality points. A grade of **F** may not be removed by taking an independent study course. The grade of **F** will also be assigned if a student withdraws from the University after the deadline and has failing grades at the time of withdrawal (see below).

W— indicates withdrawal from a course passing (see below).

I — indicates an incomplete record and will have no immediate impact on a student's grade point average. An **I** becomes an **F** if not removed within one term of attendance. An **I** may not be removed by taking an independent study course. The **I** grade in an incomplete course will be treated as an **F** if the student chooses to re-register for the course. A student who is absent from the final examination without valid reason approved by the Vice President for Academic Affairs forfeits credit for the course.

N— indicates a failing grade in courses taken on a pass-fail basis.

P — indicates a passing grade in non-credit courses or courses taken on a pass-fail basis.

X— indicates failure to drop or withdraw properly, but only before the 20th class day. Will count as an **F** in the student's grade point average. May **not** be used for a student who simply stops attending class after the drop date. Upon completion of the drop/withdrawal form and payment of the appropriate fees, the Registrar is authorized to replace the grade of **X** with a **W**.

NOTE: A faculty regulation provides that except in cases of obvious clerical error, a grade of **A, B, C, D,** or **F** may not be changed without permission given by the faculty in regular meeting.

Pass-Fail: Students may take courses either on a pass-fail basis or for a grade. The option must be exercised at the time of registration, and the option may not be altered after the deadline for dropping courses without academic penalty. No more than thirty-six (36) semester hours earned in independent study, extension work, or pass-fail courses, with a limit of eighteen (18) semester hours of pass-fail courses, may be applied toward a degree. No more than twelve (12) semester hours earned from the same department by independent study, extension work, or pass-fail courses may be applied toward a degree. A student may not take a course on a pass-fail basis to remove an **F** or an **Incomplete**. Such courses cannot be a part of a prescribed degree program, i.e., core requirements, major, or minor, except for physical education courses in the General Core.

Audit: A student who takes a course for audit (non-credit) must meet the class in the same manner as a student regularly enrolled. Although no credit is awarded, a student who meets the instructor's requirements for a successful audit will receive an appropriate entry on his/her official record. The instructor has the right to remove a student from the final grade roster for non-attendance. The credit option (audit to credit or credit to audit) may not be changed after the deadline for adding courses. The fee for audit is the same as if registered for credit.

Computation of Grade Point Averages: Quality point averages are based on the number of hours undertaken rather than the number of hours passed in determining whether a student meets minimum standards. The total hours attempted, for suspension purposes, will include credit undertaken at the University and credit transferred; the quality

point average will involve only credit for courses attempted at the University of Southern Mississippi.
Courses in which a student receives an **E** will not be counted in the "total hours attempted."

An undergraduate student will be permitted to repeat courses a total of six (6) times or a total of eighteen (18) semester hours in order to improve his grade-point average. (That is, he may repeat one three-hour course six times, three three-hour courses twice each, six three-hour courses once each, etc.). The six-repeat rule shall include all repeats including junior college or any other college or university work. The first six (6) repeats used shall stand. Other than these "repeats" all credit attempted will be used in computing the grade-point average. This policy became effective with courses taken after September 1, 1967.

Dean's List: Students will be placed on the Dean's List if they have maintained a quality point ratio of 3.25 or above on an academic load of twelve (12) semester hours or more, provided they have no grade of **D** or below.

President's List: Students will be placed on the President's List if they have earned a quality point ratio of 4.0 (all **A**'s) on a load of twelve (12) semester hours or more.

8. Academic Standards: An undergraduate student, to move assuredly toward a degree, should maintain the following grade point averages.

Total Hours Attempted (Including transfer credit)	Required Grade Point Average (USM work only)
18 through 24	1.25
25 through 36	1.50
37 through 48	1.65
49 through 60	1.75
61 through 72	1.80
73 through 84	1.85
85 through 96	1.90
97 through 108	1.95
109 and above	1.97
For graduation	2.00

If a student does not attain the minimum GPA on the scale he is placed on academic probation at the end of the semester. To register for classes the following semester he must receive clearance from his major department chairman and from the dean of the college or school in which he wishes to be enrolled. If evidence of improvement toward the prescribed GPA is made during the probationary period the student is continued on probation the subsequent semester but is considered making progress toward a degree.

However, if the student does not attain the prescribed GPA after two probationary semesters, he will be placed on academic suspension and must withdraw from the University for one semester or be cleared for readmission by the appropriate dean upon appeal. Notice of probation or suspension will be carried on the end-of-semester grade report. Total hours attempted will include credit undertaken at the University and credit transferred. The quality point average will involve only courses attempted at USM. Courses in which a student receives an **I** will not be counted in the "total hours attempted."

Appeals for reinstatement by students suspended under this policy will be directed to the department chairman of the college or the dean of the school in which the student is enrolled.

Any student who earns a 0.00 grade point average on twelve (12) or more hours for any one semester will be automatically suspended regardless of his overall grade point average, and must appeal the suspension in the same manner as any other academically suspended student.

Students on academic or disciplinary suspension may not enroll in courses offered by the University of Southern Mississippi.

9. Memorandum of Credits: A memorandum of credits is a statement available from the Office of the Registrar showing the courses completed and credits earned by the student as of the date of the memorandum. Memoranda are fifty cents each.

10. Classification of Undergraduates: A student is classified as a: **Freshman** when he has less than 27 semester hours of earned credit; **Sophomore** when he has as many as 27 semester hours and less than 54 semester hours; **Junior** when he has as many as 54 hours

and less than 87 hours; **Senior** when he has 87 or more semester hours of earned credit.

11. Course Numbering: Freshman courses are numbered from 100 to 199; sophomore courses from 200 to 299; upper division courses from 300 to 499; graduate courses 500 or above. Courses carrying numbers below 100 are non-credit courses. Courses taken by independent study will carry the prefix **C**. Honors courses carry the prefix **H**.

The department code number which is used at registration is listed by the department name.

Freshman and sophomore students are not ordinarily permitted to register for upper division courses.

12. Course Sequence and Related Sequences: Certain 100 and 200-level courses may not be taken for credit by a student after he has completed higher level courses in the same subject area. Also, certain sequences of courses may not be taken for credit after a student has completed parallel courses which are similar in subject matter. Specific applications of this policy are indicated in the numbered course descriptions in the Course Description Section of this catalog. Selection of the courses, as well as exceptions to the policy, is left to the department chairmen.

13. Credit by Examination: The University of Southern Mississippi will allow students to earn credit by examination under one or more of the following programs, for up to a total of thirty (30) semester hours.

Credit earned through the use of the examination will be included in the sixty-four (64) hours "Limitation of Transfer Credits" rule and may not be used to meet the thirty-two (32) on-campus requirement.

a. **College Level Examination Programs:** The University of Southern Mississippi will allow credit examination to those students who have participated in the College Level Examination Program and have achieved a scaled score of 500 or above. Credit will be restricted to students who have been out of high school for at least three (3) years. It will be the responsibility of the Admissions Office to determine a person's eligibility to receive credit. A student who has earned over thirty (30) semester hours of college credit may not earn additional credit through the use of this examination. Credit appearing on another institution's transcript will be accepted as transfer credit. Credit will be granted for successful completion of the examination in the following manners.

CLEP General Examination	Course Equivalent	Semester Hours
English Composition	ENG 101, 102	6
Social Science	History	3
	Soc. Sci. Elective	3
Natural Science	FS 104, 106	6
Humanities	AA 100	3
	Literature	3
Mathematics	MAT 101	3
	MAT Elective	3
Total		**30**

Credit will be awarded for each area the student receives a scale score of 500 or above.

b. **College Level Examination Program: Subject Area Examinations:** A student of any age who has not earned college-level credit in the subject area in which he/she seeks credit can take a CLEP subject-area examination for advanced placement and college credit. **CLEP credit cannot be used to remove an F grade.** Credit will be awarded for a scale score of 50 or above. The optional essay is required for all English and Psychology examinations. The appropriate department at USM will have final determination in the amount of credit to be awarded based on the optional essay. Under this program, students are restricted to a maximum of thirty (30) semester hours, with not more than six (6) hours or two (2) courses in one subject-matter area. (It is understood that the thirty (30) hour-total includes all credit earned by examination.) The adoption of the CLEP standardized examination will preclude the use of departmental examinations except in those areas where CLEP examinations are not available. The Admissions Office will be charged with responsibility for determining student's eligibility to earn credit through these examinations. Credit appearing on another institution's transcript will be accepted as transfer credit.

Additional information, applications, and CLEP Bulletins can be secured from the Office of High School and Junior College Relations, Room 212, Student Services Building, or by writing Southern Station, Box 11.

c. **Advanced Placement Program:** Students from cooperating high schools can earn up to eighteen (18) hours (with no more than six (6) hours or 2 courses in one subject-matter area) through the College Board's Advanced Placement Testing Program. Credit is to be awarded only for grades of 3 and above. The awarding of credit will be administered by the Office of Admissions.

d. **Challenge Examination:** Under the following policy, and with the approval of the Vice President for Academic Affairs, departments may grant credit by examination in lieu of class enrollment, for courses where no CLEP subject area examination is offered.

i. The examination must be given by the department in which the course is offered.

ii. The department chairman must be assured that the student has had some formal or informal learning experience which has prepared him for the examination.

iii. The student must make application to the chairman of the department in which the course is offered. If approval is granted, the student will pay a $10.00 examination fee in the Business Office. The student then presents his receipt to the department chairman who will administer the examination.

iv. If the student passes the examination, a memorandum must be forwarded to the Registrar giving the name of the department, course number, course title, grade, semester hours, and the date the examination was taken and evidence that the examination fee has been paid.

14. Summary of Types and Limitations of Credit Usage

The following is a summary of the limitations placed on credit usage:

A. Sixty-four (64) semester hours through a combination of credit by examination, extension, independent study, and Armed Forces experiences.

B. Thirty-two (32) semester hours through a combination of independent study (including USAFI) and extension work. (USAFI and other correspondence credit limited to nine (9) semester hours in any one field.)

C. Thirty (30) semester hours credit by examination (including CLEP).

D. Thirty (30) semester hours through a combination of independent study, extension, and pass-fail credit.

E. Eighteen (18) semester hours of pass-fail credit.

F. Twelve (12) semester hours in the same department through a combination of independent study, extension, and pass-fail.

G. Sixty-four (64) semester hours in a senior college are required for a baccalaureate degree. Of this total forty-five (45) must be in course numbers 300-level or above.

H. The types of credit considered as senior college work are: (1) USM-Hattiesburg; (2) USM-Gulf Park; (3) USM-Natchez; (4) USM-Jackson County; (5) USM-Jackson; (6) Extension; (7) Independent Study; (8) USAFI*; (9) Armed Forces experiences.*

I. Types of credit not considered senior college work: (1) Junior college transfer work; (2) CLEP; (3) USAFI**; (4) Armed Forces experience.**

*If course number evaluations are 300-level or above
**If course number evaluations are below 300-level

C. GENERAL DEGREE REQUIREMENTS

1. **Choice of Catalog:** Graduation requirements must be met under a catalog which is not more than six years old at the time of the student's graduation and which carries announcements for a year during which the student earned some credit at the University of Southern Mississippi. A transfer student from a Mississippi junior college may graduate under a catalog which was in force during the time he attended a Mississippi junior college provided the catalog is not more than six years old at the time of the student's graduation.

2. Hour Requirements: An applicant for a degree must complete 128 semester hours, including core requirements and major and minor requirements. Not more than nine (9) semester hours in physical education activity courses, and not more than four (4) semester hours credit in any one varsity sport may be used in meeting total hour requirements for a degree. Courses in dance are excluded from this limitation. Of the total of 128 semester hours, sixty-four (64) must be earned in a senior college, and forty-five (45) of the sixty-four (64) must be in courses numbered 300 or above.

3. Quality Point Requirement: A student must earn a quality point ratio of at least 2.0 (an average grade of C) based on all courses undertaken at the University of Southern Mississippi. Grades in pass-fail courses do not carry quality points.

4. Hour and Quality Point Requirements for Pre-Professional Degrees: University of Southern Mississippi students may be allowed to complete degree requirements for the Bachelor of Science or the Bachelor of Arts degree in professional schools of medicine, medical technology, dentistry, or law on the following conditions:

(a) that 90 hours of credit and 180 quality points shall have been completed, with a minimum of two semesters and thirty (30) semester hours or residence at the University of Southern Mississippi;

(b) that all core requirements for the degree shall have been completed;

(c) that credit and quality points shall be transferred back to the University of Southern Mississippi from the school of medicine, dentistry, or law to complete requirements for the degree. A minimum of one year's work must be transferred. In any case, a minimum of 128 semester hours must be completed before the degree can be awarded;

(d) that the program leading to the degree shall be completed within two calendar years of the termination of the last semester of residence at the University of Southern Mississippi.

5. Residence Hour Requirements: To become eligible for a bachelor's degree at the University of Southern Mississippi, a student must:

(a) Earn at least thirty-two (32) semester hours of resident credit at any of the campuses of the University. Military personnel participating in Operation Bootstrap may meet this requirement by completing thirty (30) semester hours of resident credit.

However, to receive the Bachelor of Science in Business Administration degree from the College of Business Administration, a student must complete the senior year's work (32 semester hours) on the Hattiesburg campus. At least twelve (12) of the thirty-two (32) semester hours must come from senior level courses in the major field. This policy applies to all students, including transfer students from other colleges and universities and those students at USM-Gulf Park and USM-Natchez. The transfer student must meet the quality point requirements for work undertaken on the Hattiesburg campus that apply to all the regular students.

(b) Earn at least twelve (12) semester hours of the bachelor's program on the campus from which the degree will be awarded except for the Bachelor of Science in Business Administration which requires the last thirty-two (32) semester hours on the Hattiesburg campus.

(c) Earn at least twelve (12) semester hours of resident credit in the major field of study at one of the campuses of the University except for the Bachelor of Science in Business Administration which requires at least twelve (12) semester hours of senior level work in the major field on the Hattiesburg campus.

(d) Limitation on Independent Study Courses: A long-standing regulation provides that students will not be permitted to do independent study while in residence. Students not attending the University during the summer session are not considered to be in residence and may enroll in independent study courses without prior approval; however, they should consult with their faculty adviser for assistance in course selections. Exceptions to this regulation can only be made with the approval of the appropriate dean and the Vice President for Academic Affairs. If a student takes an independent study course during his last semester of attendance, he may not register for an independent study course after he leaves the campus with the expectation of completing requirements for his degree.

6. General Core Requirements: The purpose of the General Core requirement is two-fold: to give all University students a common cultural experience, and to extend this shared experience over a wide enough range of skills and major disciplines so that the individual student may gain a better perspective of his own special abilities and interests.

It is the purpose of the degree programs in the upper-level colleges and schools to build upon the common core experience in guiding students toward majors and minors which will reflect their individual capacities and life aims.

The General Core requirement, common to all degree programs, is itemized below.

THE GENERAL CORE CURRICULUM

	Hours
English 101, 102	6
Humanities and Fine Arts	
Six hours from the following areas: literature, allied arts, foreign language, history, philosophy, religion	6
Social Sciences*	
Nine hours from the following areas with no more than three hours from any one area: anthropology, economics geography, psychology, sociology, political science	9
Mathematics	3
Science*	6
Physical Education or approved substitute**	2
Total	32

*For recommendations and requirements in these areas, the student should consult the introduction to the appropriate degree-granting college or school. Note also that each college or school has additional requirements for its specific core. In addition each degree-granting college or school has its own requirements for a particular degree. These requirements are designed to give the student the necessary preparation for completing a major and are listed in the Colleges and Schools Section.

**Students are required to take two physical education activity courses during the freshman year unless excused from the requirement by the University physician or the dean of his school or college. Students who complete Military Science I or Aerospace Studies are excused from the physical education requirement. Those participating in varsity athletics, Marching Band, Dixie Darlings, Cheer Leaders, or Pom Pon Girls may substitute this for required physical education. Only one physical education activity course may be taken any one semester.

7. Exemption from the General Core Requirements: With the approval of the appropriate dean, students may be exempt from any part of the core requirements for any degree on the basis of satisfactory attainment as demonstrated by previous academic record. The granting of this exemption by a dean does not involve the bestowal of credit; neither does it reduce the total number of hours to be earned for a degree. Its only effect is to increase the number of electives which the student may include in his degree program.

8. Change of Major within a College or School: Any student wishing to change his major within a college or school must secure the approval of the dean.

9. Change of College or School: Students wishing to transfer from one college or school of the University to another must make application to and be approved by the dean of the college or school they wish to enter.

10. Quality Point Requirement for the Major and Minor: A student must have a quality point average of at least 2.0 (a **C**) in the major field and in the minor field on courses taken at the University of Southern Mississippi.

A transfer student's work done in the major and minor fields in another institution must average at least 2.0 to be applicable toward the major and minor requirements at the University of Southern Mississippi. If the transferred work does not average at least a **C**, the student must remove any deficiencies in that part of the major and minor credit being transferred. Transferred deficiencies may be removed by: (a) repeating at the University of Southern Mississippi a sufficient number of courses on which grades of **D** were transferred and thereby raising the grades in those courses to the level required for a **C** average, or (b) striking from the transferred transcript courses in the major or minor field with grades of **D**

and taking additional courses in the major or minor at the upper division level to meet the University's degree requirement.

11. Application for Degree: A student is expected to file an application for a degree at least two semesters before degree requirements are completed and an application will be accepted no later than the last class day of the semester preceding graduation. This application filed with the Registrar will show the work completed by the student and the courses planned for the ensuing semesters. Filing two semesters in advance of the proposed graduation date will allow time for checking the application and also allow the student time for making up any deficiencies found in the degree program. After the application has been approved by the Registrar's Office, it becomes the student's official degree program.

No application for degree will be accepted until the degree fee of twelve dollars ($12.00) has been paid at the Business Office. Application forms may be obtained in the school or college Office of the Dean.

12. Approval of Faculty: The names of all applicants for degrees are submitted to a vote of the faculty. If this vote is favorable, the President of the University is authorized by the Board of Trustees to grant the degree.

13. Degrees with Honors: Students with exceptional academic records may be awarded degrees with honors or with highest honors. The residence requirement for such degrees is not less than four semesters with a load of not less than twelve (12) semester hours in residence credit each semester (a load of not less than six (6) semester hours each quarter will apply to USM-Gulf Park and USM-Natchez), and totaling not less than fifty-four (54) semester hours of residence credit on the Hattiesburg campus. A degree with honors will be granted to a student who maintains a quality-point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a quality-point average of 3.8 or more. Graduation **cum laude** will be granted to students who meet the following stipulations: (a) the satisfactory completion of a comprehensive examination in the major field, such examination to be designed and administered by the department involved; (b) the satisfactory completion of a senior project resulting in a written report on that project meeting the guidelines presently in effect for senior Honors projects; (c) notice of intent to meet these requirements must be filed with the Dean of the Honors College at least one calendar year prior to graduation; (d) an overall quality point average of 3.25 to 3.49. Graduation **magna cum laude** will be granted to students who meet the following stipulations: (a), (b), and (c) above, (d) an overall quality-point average of 3.50-3.79. Graduation **summa cum laude** requires (a), (b), and (c) above, (d) an overall quality-point average of 3.80 or above.

14. Second Baccalaureate Degree: The University of Southern Mississippi will grant a candidate a second baccalaureate degree based upon requirements of an applicable catalog, provided the program for the second degree includes at least thirty-two (32) semester hours with at least sixty-four (64) quality points (equivalent to a 2.0 average on a 4.0 scale). The actual number of hours to be taken (which may exceed thirty-two (32)) as well as the specific degree requirements will be established by the academic department responsible for the area of study in which the second baccalaureate is sought. In all cases, a 2.0 grade point average is required.

Students enrolled in a second degree program may be allowed to repeat a total of six (6) semester hours in order to improve the grade point average.

D. MINOR REQUIREMENTS

In addition to the major, each student, where the degree program so requires, must also choose a minor (or else a second major). He should select his minor in consultation with his academic adviser. A minimum of eighteen (18) semester hours is needed for the minor, with the quality point requirement as noted in paragraph C-10 above. Students who complete the Advanced Course in Military Science (ROTC) or the Professional Officer Course in Aerospace Studies (AFROTC) are allowed to waive the requirement for an academic minor. The work taken in the major may not apply to the minor.

With certain exceptions, any of the areas of specialization or majors indicated above may be selected for the minor. In choosing a minor, however, the student should be guided by the following policies:

A. A student working for a non-teaching degree must establish a minor (18 hours)

chosen from the fields listed above as possible majors with two exceptions:

(1) A student may establish a minor for the non-teaching degree in general science by offering twenty-seven (27) hours from two or more appropriate fields (biology, chemistry, geology, mathematics, and physics), provided he offers at least nine (9) hours from each field he chooses to include.

(2) To establish a minor in any field, a student must earn at least nine (9) hours above the core requirements in that field.

B. A student working for a teaching degree in secondary education necessarily establishes a minor in secondary education.

Since many high schools in Mississippi require teachers to teach in more than one field, it is recommended that students working for secondary education certification plan their electives so as to meet certification requirements in some subject field in addition to their major.

BULLETINS

The University of Southern Mississippi has four publications each year; the **Undergraduate Bulletin,** the **Graduate Bulletin,** the **Independent Study Bulletin,** and the **Regional Campus Bulletin.** To get the complete programs of the University, please check each **Bulletin.**

COLLEGE OF BUSINESS ADMINISTRATION
ACADEMIC OFFERINGS

Department	Major	Degree**
Accounting	Accounting*	BSBA
	Accounting/Data Processing	BSBA
Economics	Economics*	BSBA
Finance and General Business	Banking and Finance	BSBA
	Business Administration*	BSBA
	Real Estate and Insurance	BSBA
Management	Industrial Management	BSBA
	Personnel Management*	BSBA
Marketing	Advertising	BSBA
	Marketing Management*	BSBA
	Sales Management	BSBA
(Gulf Park and Natchez)	Business Administration*	BS

*Indicates that a minor is available
**Degree abbreviations: (BS) Bachelor of Science, (BSBA) Bachelor of Science in Business Administration.

COLLEGE OF BUSINESS ADMINISTRATION

Joseph A. Greene, Jr., Dean
H.O. Jackson, Assistant Dean

PURPOSE

Rapid technological change, the increasing complexity of society, and the growing role of government in business, economic, and social affairs are placing new requirements on the administrators throughout the country whether they are employed in business, government, or non-profit organizations.

Within the College of Business Administration the content of the courses and the curricula are changed as needed to see that we meet our primary objective of assisting students in securing entry-level positions in business and government and provide them the background for attaining higher levels of managerial responsibility after experience. The young men and women who study in the College are provided with the opportunity for a liberal education as well as professional training. They are prepared to be flexible in their thinking and adaptable to change as well as knowledgeable in their chosen fields. Thus they are given help in preparing not only for careers but also for satisfactory lives and as constructive citizens.

A second objective of the College is to provide quality graduate education at the master's degree level for those currently working in business, military personnel with a need for business education, and college graduates who intend to pursue further graduate work elsewhere or prepare themselves better for beginning positions in business or government.

Lastly, the College is committed, as resources permit it, to servicing businesses and governmental units in the area through applied research and the sponsoring of workshops and seminars.

To keep current with changes in business education throughout the country the College is a member of the Southern Business Administration Association and the American Assembly of Collegiate Schools of Business.

All undergraduate programs are fully accredited by the American Assembly of Collegiate Schools of Business.

ORGANIZATION AND OPERATION

Academic Departments

The College of Business Administration is divided into the academic departments of Accounting, Economics, Finance, Management, and Marketing. Each department offers more than one major, so a student interested in a particular area should examine the alternative majors to select the one which suits him best.

Whatever major is chosen the student pursues practically the same curriculum except for the major course requirements. Thus, it is possible for a student to change his major, if he has a change in interest, without a loss of time until his senior year. Upon completion of all requirements, he is awarded the degree of Bachelor of Science in Business Administration.

Office of the Dean

The Office of the Dean of the College of Business Administration is the chief administrative office through which the student will come if he wishes to withdraw from the University, have exceptions made in his academic program, is suspended for academic reasons, or has problems he wishes to discuss.

Under the Dean is the Coordinator of Graduate Studies who accepts and processes all applications for the graduate program.

Bureau of Business Research

The functions of the Bureau of Business Research are designed to complement the overall program and objectives of the College of Business Administration. Specific functions included are to: provide an administrative framework for research projects; provide a

source of support for, and flexibility of approaches to, research by faculty members (including Bureau staff); publish research reports; provide a readily identifiable point of contact for business, industry, and government relative to research and services in the areas of business and economics; provide for the development and execution of service programs; and maintain a framework to assist in the education and training of students.

Coordinator of Graduate Studies

The College of Business Administration offers the following graduate programs: a Master of Business Administration, a Master of Science in Accounting, and a Master of Science in Economics. The student who is interested in graduate work upon completion of his undergraduate degree should contact the Coordinator of Graduate Studies concerning entrance requirements, objectives of the various programs, and the possibility of a fellowship.

STUDENT PROCEDURES

Admission

High school graduates who are interested in the field of business and who are admitted to the University of Southern Mississippi as beginning freshmen will be admitted directly to the College of Business Administration.

Students desiring to transfer from another school or college in the University must be in good academic standing and must bring to the Office of the Dean a transcript. Indication that the student will succeed in his work is necessary.

Transfer students from other four-year colleges or universities are admitted directly to the College upon admission to the University.

Transfer students from junior colleges are especially welcome to the College. A junior college student intending to come to the University should concentrate on completing his requirements as listed below in Basic Curriculum Outside College of Business Administration. He should limit his courses in business to principles of accounting and principles of economics. The College will not accept as meeting curriculum requirements business courses which are taught at the junior college but which are taught here at the junior or senior level. Courses which are designed by the junior college as technical training courses or remedial courses of subcollegiate level may not be used in meeting degree requirements. It is imperative that the student pay particular attention to the requirements in mathematics.

Advisement

Upon admission to the College, the student is assigned an adviser by the Office of the Dean. His adviser will be his department chairman or someone designated by the chairman who will approve his schedule each quarter, provide counsel when necessary, and sign his application for degree as the first step toward meeting degree requirement.

Continuation

While in the College the student must maintain the quality point average prescribed for his number of hours undertaken as designated under University regulations or face academic suspension. If suspended or placed on probation, the student may make application for reinstatement through forms provided in the Office of the Dean. His application is acted upon by the Reinstatement Committee which reviews these applications the day prior to the registration period of each semester and interviews those students who are denied reinstatement and wish to appeal.

Graduation Requirements

To receive the Bachelor of Science in Business Administration degree from the College of Business Administration the senior year's work (32 semester hours) must be taken on the Hattiesburg campus.

Of this requirement a sufficient number of hours of senior level courses in the major field must be taken to assure the quality of the degree. The absolute minimum is twelve (12) semester hours though this may be higher depending upon the recommendation of the department chairman.

This policy applies to all students, including transfer students from other colleges and universities and those students at USM-Gulf Park and USM-Natchez.

The transfer student must meet the quality point requirements for work undertaken on the Hattiesburg campus that apply to all our regular students.

For graduation the student should file his application for degree two semesters in advance of his anticipated semester of graduation, and no later than mid-term of the semeste prior to the graduation semester. The application form with instructions is to be picked up in the Office of the Dean. The degree application does not become a formal type of contract with the student for graduation until it has been thoroughly checked for all requirements by the degree clerk of the College in the Registrar's Office and approved by the Dean. Any changes requested on the application after its acceptance must come from the Office of the Dean.

To meet graduation requirements the student must meet all requirements of his curriculum and have a 2.0 average overall, in his major requirements, and in the College of Business Administration. He must have a minimum of fifty-two (52) semester hours in the College of Business Administration as well as a minimum of fifty-two (52) semester hours in the Colleges of Liberal Arts and Science and Technology. Total hours required for graduation are 128.

Placement

The College cooperates with the University Placement Bureau in assisting its graduates in finding positions. The student is expected to establish a file with the Bureau two semesters before graduation to avail himself of the opportunities to be interviewed or contacted by the many businesses and governmental bodies interested in business graduates.

Student Organizations and Student Assistance

The College promotes several professional and honorary societies for students in order to foster fellowship and scholarship among those with similar interests. These organizations are: Alpha Epsilon Alpha, professional fraternity in accounting, Beta Gamma Sigma, National Honorary Fraternity in business; Delta Sigma Pi, professional fraternity for men in all areas of business; Omicron Delta Epsilon, honorary society in economics; Phi Chi Theta, professional fraternity for women; Rho Epsilon, professional fraternity in real estate; Society for Advancement of Management, professional fraternity in management; and U.S.M. Chapter-American Marketing Association. Representatives from these fraternities and other students constitute the Business Student Advisory Council which works closely with the Dean in several projects.

There are several scholarships available exclusively for students in the College of Business Administration as well as many others for which business students may apply. Any inquiry should be addressed to: Director of Student Aid, Southern Station, Box 101, Hattiesburg, Mississippi 39401.

BASIC CURRICULUM OUTSIDE COLLEGE OF BUSINESS ADMINISTRATION

The business graduate, though career oriented, must live and work in a changing society which will continually offer him personal and business challenges. Business leaders must have a background which makes them cognizant of the past, articulate in many subjects, and adaptable to change. After much deliberation the faculty of the College has adopted the following courses from the arts and the sciences to give the business student the background upon which he will then add his knowledge of basic business tools and specialized subjects.

It may be observed that the courses include primarily those at the freshman and sophomore level. Unless specified as such the student may choose to substitute junior and senior level courses if they are of particular interest to him.

Remedial courses in English, mathematics, and science may not be counted toward meeting degree requirements.

MAT 312 is strongly recommended and is a necessity for a student contemplating graduate work.

	Hours		Hours
ENG 101, 102	6	Literature, allied arts, philosophy, foreign language, religion	9
Geography or Political Science	3	Anthropology, psychology, sociology	6
History	6	**Mathematics or Science	3
*MAT 101, 112	6	Elective-Behavioral science, computer science, social science, or mathematics	3
PA 111	3	PED or ROTC/AFROTC	2-3
Science-Biology, chemistry, fundamentals, geology, physics	6		
		Total	53-54

*Accounting-Data Processing majors will substitute MAT 103 and 171.

**All majors in professional accounting and industrial management must choose MAT 312 as the elective. All majors in Banking and Finance and Real Estate and Insurance must choose MAT 312 or REI 326. Intermediate Algebra, MAT 120, 131, 133, 199, 210 or any remedial course will not be accepted as meeting this requirement.

BASIC CURRICULUM WITHIN THE COLLEGE OF BUSINESS ADMINISTRATION

The following business courses are required of all students in the College regardless of major. They provide the student with his business tools which he will use for advanced courses as well as a broad understanding of the entire area of business and of the economy in which business operates.

	Hours		Hours
ACC 201, 202	6	ECO 301 or CSS 211	3
ECO 255, 256	6	***ECO 302	3
GBA 290 or CSS 240	3	ECO 330	3
*GBA 295	3	MGT 360	3
**ACC 300	3	FIN 389	3
MKT 300	3	MGT 485	3
		Total	42

*Professional Accountancy majors must also take GBA 311.

**All accounting majors will delete this course and go directly into ACC 301.

***Accounting-Data Processing majors will delete this course.

DEPARTMENT OF ACCOUNTING (ACC—605)

Stanley M. Carpenter, Acting Chairman

H. Anderson, Cummings, Dear, Estes, Harris, H. Jackson

Kenamond, McDuff, Morgan, Parker, Price, Torres, Vicknair

Two programs are offered by the Accounting Department. The first is intended to prepare students for professional positions in industry, government, or public accounting, and to provide a firm foundation for those students planning to do graduate work in accounting. This program includes all the courses necessary to sit for the certified public accountants examination. The second program is offered jointly with the Department of Computer Science and Statistics, and is directed more specifically to the needs of students who are planning careers in business data processing or accounting systems. The requirements of the two programs are set out below and are entitled "Professional Accountancy" and "Accounting—Data Processing" respectively.

Students wishing to minor in accounting should take the following courses: Accounting 201, 202, 301, 302, and 320 and 330.

COMMON REQUIREMENTS FOR A MAJOR IN ACCOUNTING

	Hours
ACC 301, 302, 320, 330, 401, 420, 402, 405, 409, 430	30

COMMON REQUIREMENTS FOR A MAJOR IN DATA PROCESSING

Accounting Courses
ACC 301, 302, 320, 330, 409, 450 18

Computer Science Courses
CSS 320, 340, 341, 342, 442, 480 18

DEPARTMENT OF ECONOMICS (ECO—610)

Jack C. Wimberly, Chairman

M. Baldwin, Cameron, Clary, Greene, E. Lewis,

Li, Magruder, McQuiston, Nissan, Whitesell, D. C. Williams

The major curricula in economics are intended to prepare students for positions as economists in education, business, and government. The recommended minor in economics constitutes a systematic study of the economic environment in which we live. A few advanced courses have been designed to provide appropriate instruction in economics to students in other major fields; and several comprehensive introductory courses may be taken by those who are interested in a less formal way.

The recommended minor in economics outside the College of Business Administration consists of ECO 255, 256, 301, 310, 330, 340, 345.

COMMON REQUIREMENTS FOR A MAJOR IN ECONOMICS (BSBA)

ECO 340, 345 6
ECO Electives 15

DEPARTMENT OF FINANCE AND GENERAL BUSINESS (FIN—615) (GBA—616)

William A. Sirmon, Chairman

Burton, Cartee, Clements, Daniel, C. Dennis,

B. Green, Hamwi, Jordan, R. T. King, West

This department offers major fields of study in three areas: Banking and Finance, Business Administration, and Real Estate and Insurance. The policy of the department is to stress education in the selection and handling of tools for problem-solving, analysis, and decision-making in each of the three areas of study. An approach of this kind is premised on the belief that the best qualification for administering business in the three areas is a mind disciplined to identify and analyze administrative issues and to make decisions at all levels of management.

The offerings in the field of Banking and Finance qualify the student to enter administrative training programs of financial and non-financial institutions. Offerings in the Business Administration field necessarily cut across several segments of the business curriculum including economics, finance, management, and marketing, thus opening the door to a somewhat wider range of job opportunities. Offerings in the Real Estate and Insurance major are, by contrast, more specialized, being designed essentially for the person interested in selling, risk management, and property and agency management, as they relate to the insurance and real estate industries.

The student who wishes to further his education may work for the master's degree with an emphasis in finance. This degree will strengthen his qualifications for higher-level administrative positions in business and will also open new doors to teaching, research, and graduate work at the doctoral level.

The department has a recommended minor for non-business majors which requires ACC 201 and 202, ECO 200, and three electives from one of the following fields: Finance, Business Administration, or Real Estate and Insurance.

REQUIREMENTS FOR A MAJOR IN BANKING AND FINANCE

REI 325
FIN 350, 352, 355, 462, 480, and 1
FIN Elective
ECO 401 or FIN 472
GBA 375

COMMON REQUIREMENTS FOR A MAJOR IN REAL ESTATE AND INSURANCE

REI 325, 330
GBA 375
Elect minimum of 6 courses
from the following eleven:
REI 310, 326, 334, 340, 345, 425, 432,
434, 445, 450, 460

REQUIREMENTS FOR A MAJOR IN BUSINESS ADMINISTRATION

REI 325 or 330.
GBA 375.
FIN 350, 352, or 480.
ECO 300 level or above.
MGT 364 or MGT 454 and one 300
or above course.
MKT 428 and one 300 or above course.

DEPARTMENT OF MANAGEMENT (MGT—620)

Roy N. Moore, Chairman

Bracey, Brooking, J. L. Davis, Etzold, Gottleber, V. Hill,
Sanford, Stegenga

The program of study in management has three objectives: (1) to provide students with concepts, knowledge, and skills required in the effective management of profit-making enterprises, government institutions, and non-profit service organizations; (2) to prepare the student for employment which will lead to positions of managerial responsibility; and (3) to make available to students pursuing technical, educational, and professional careers training in general management to apply in their specialized fields.

Students interested in management may major in either industrial or personnel management. The industrial management option places emphasis on manufacturing and production problems such as product engineering, manufacturing methods and equipment, plant layout, production planning, and quality control. The personnel management option emphasizes the human problems of administration including union-management relations, manpower development, compensation, and managerial communications.

Careers in management are available in industry, government, service organizations, and teaching. Beginning employment opportunities for which the management graduates are trained include such jobs as line supervisor, production scheduler and dispatcher, time study, employment interviewer, training supervisor, and management trainees. Their broad education and training will, when coupled with additional maturity and experience, serve to further their careers in more responsible management positions, such as production or plant manager, labor relations director, or personnel administrator.

The recommended minor in management for a non-business major is ECO 255, MGT 360, and four courses in the Management Department.

REQUIREMENTS FOR A MAJOR IN PERSONNEL MANAGEMENT

MGT 364, 370, 386, 454, 456, 468, 472, 484
GBA 375
Electives 5 or 6

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL MANAGEMENT

MGT 386, 456 or 468, 464, 465, 467,
472, 476, 482
GBA 375
Electives 5 or 6

DEPARTMENT OF MARKETING (MKT—625)

Thomas T. Ivy, Chairman
Phelps, Pritchett, Schoell, T. Smith, Vreeland

There are three basic functions performed by any business organization: marketing, production, and finance. The goal of the Department of Marketing is to prepare students to fill with competency entry-level positions in marketing and also provide the background necessary for higher level management positions in the marketing area. It is necessary, therefore, that the student not only learn the subject of marketing but that he also master certain executive skills, of which the ability to think is usually considered the most important. Other attributes of significance are the ability to: (1) solve problems; (2) communicate orally and in writing; and (3) understand and work with people.

The context of marketing courses provides the student with a basic knowledge of marketing principles and techniques. The methods used in teaching the material enable the student to develop the skills necessary to utilize this knowledge after graduation.

Marketing majors can gain employment in the field of retailing as store managers, buyers, and owners of their own store. Others work as salesmen, market managers, and researchers—after additional graduate training. The specific opportunities number in the hundreds since more than half of all people gainfully employed work in the marketing of goods and services.

For a student not majoring in the College of Business Administration, a minor in marketing may be earned by completing eighteen (18) hours of courses in the following recommended sequence:

1. ECO 255, and MKT 300
2. MKT 330, 342, and 355 (select any two)
3. MKT 430, 442, 455 (select one)
4. One other marketing elective

Students in the department may major in marketing management, advertising, or sales management by completing one of the following programs:

REQUIREMENTS FOR A MAJOR IN MARKETING MANAGEMENT

MKT 322, 330 or 342 or 355 (select two),
424, 454, 365 or 380 or 458 or
495 (select one), 428, 430 or 442
or 455 (select one)

REQUIREMENTS FOR A MAJOR IN ADVERTISING

This is an interdisciplinary major offered by the Department of Marketing in conjunction with the Department of Radio, Television, and Film and the Department of Journalism, College of Liberal Arts.

Students majoring in advertising take a more specialized program than the marketing major to prepare them for the exacting requirements of an advertising career. Advertising graduates are employed as account executives, copy writers, promotional managers, and advertising managers for firms in retailing and manufacturing.

MKT 322, 342, 355, 365, 424, 455, 458;
a minimum of three courses from RTF 311,
330, 431, 440, or JOU 331

REQUIREMENTS FOR A MAJOR IN SALES MANAGEMENT

The sales management major is designed to prepare students for professional sales and sales management positions with major manufacturers, wholesalers, and multinational corporations. The course sequence specifies courses which are geared to the skills and knowledge necessary to enter these fields.

MKT 322, 330, 365, 380, 424, 428, 430 or 495
MGT 454

COLLEGE OF EDUCATION AND PSYCHOLOGY
ACADEMIC OFFERINGS

Department	Major	Emphasis	Degree**
Business Education	Business Education	Distributive Education	
	Bilingual Executive Secretarial Studies	Executive Secretarial Studies	BS
	Office Management		BS
	Secretarial Training		T
Counseling Psychology and Counselor Education	Social and Rehabilitation Services*		BS
Curriculum and Instruction	Elementary Education	Early Childhood Education	BS
		Middle Grades Education	
		Nursery/Early Childhood Education	
	Secondary Education*		BS
Industrial and Vocational Education	Industrial Arts*		BS
	Industrial Mechanics*		BS
	Industrial and Vocational Education*	Secondary Trades Industry	BS
		Post-Secondary Trades and Industry	
Psychology	Psychology	General Psychology	BA,BS
		Pre-Professional Psychology	
		Teaching Psychology	
Special Education	Special Education	Blind/Visually Impaired	BS
		Crippled and Health Impaired	
		Mental Retardation	
		Specific Learning Disabilities	

*Indicates that a minor is available.
**Degree abbreviations: (BA) Bachelor of Arts, (BS) Bachelor of Science, (T) two-year certificate.

COLLEGE OF EDUCATION AND PSYCHOLOGY

Eric M. Gunn, Dean

Gary S. Rush, Assistant Dean

The University of Southern Mississippi, through its College of Education and Psychology, holds membership in the American Association of Colleges for Teacher Education. All undergraduate programs in teacher education are fully accredited by the National Council for Accreditation of Teacher Education (NCATE). For details of graduate teacher education programs, consult the **Graduate Bulletin**. For degrees offered by each department, please see page 64.

PURPOSES

The purposes of the College of Education and Psychology are: (1) to prepare teachers for the public schools and the colleges and universities; (2) to offer non-teaching degree programs on the undergraduate level in business education, industrial mechanics, psychology, and social and rehabilitation services (for graduate level non-teaching degree programs consult the **Graduate Bulletin**); (3) to provide clinical and professional services to the public schools of Mississippi and to the University; and (4) to promote educational and psychological research.

These purposes are achieved through: (1) the work of the various departments in the College; (2) clinics and offices for professional services; (3) cooperation with the public schools; and (4) cooperation with other colleges and schools of the University in the development of teacher education programs that meet requirements for Mississippi certification and NCATE approval.

ADMISSION REQUIREMENTS

Any student who satisfies admission requirements to the University of Southern Mississippi through the Office of Admissions is eligible for admission to the College of Education and Psychology.

An Application for Admission (Form A7) must be approved by the Dean of the College of Education and Psychology and be filed in this office.

The above criteria for admission applies to beginning freshman students, transfer students from within the University of Southern Mississippi, and transfer students from another college or university.

Admission to the College of Education and Psychology **does not** constitute admission to a teacher education program nor to a non-teaching major program. Program planning and proper advisement must be completed to gain admission to both Teacher Education Programs and Non-Teaching Programs.

Regular status in the College of Education and Psychology is maintained by meeting the quality point requirements for hours completed as designated by the general University requirement and evaluated by the Registrar's Office.

General Core, College of Education and Psychology

All students (teaching and non-teaching) are required to satisfy the requirements of the General Core, College of Education and Psychology. Exceptions must be approved by the department chairman and the Dean of the College.

General Core

	Hours
ENG 101, 102, and two other English courses 200 level or above except ENG 300 and ENG 333	12
HIS 101, and 102, or 140 and 141	6
Social Sciences	6

Elect two courses from the following for 6 hours (no more than 3 hours from any area):

Anthropology
Economics
Geography
Philosophy
Political Science
Sociology
Religion (non-teaching majors only)

	Hours
Science	12
Biological Science—6 hours Physical Science—6 hours (All non-science majors may take the Fundamentals of Science series.)	
Mathematics	3
PSY 110	3
Fine Arts	3
PA 111	3
HSE 101	3
*PED or ROTC/AFROTC	2
	53

*Students are required to take physical activity courses during the freshman year. Freshman students may elect ROTC/AFROTC I in lieu of the physical education requirement. Students participating in varsity athletics, Marching Band, Dixie Darlings, Cheer Leaders, or Pom Pon girls may substitute this for required physical education. Persons with military experience and holders of AA degrees are exempt from physical education activity courses.

TEACHER EDUCATION PROGRAMS AND REQUIREMENTS

One of the primary functions of the College of Education and Psychology is that of coordinating the teacher education programs for the University. The following objectives were formulated to carry out adequately this function:

1. Attract those students who desire to make teaching a career.
2. Acquaint prospective teachers with all phases of the profession through the tutelage of a competent College staff.
3. Provide programs of basic studies and preteaching activities which will insure a minimally acceptable level of teaching knowledge and skill in an area of specialization within each student.
4. Make available to students the educational resources and support services needed to complement their instructional program.
5. Maintain a continous counseling service which will help to guide students in the proper selection of courses for their personal and professional development.
6. Sustain an orderly system of selecting and retaining those individuals who perform at or above those standards required by the Teacher Education Council.
7. Encourage both instructors and students in the various classes to visit and observe local schools in day-to-day operations.
8. Study, screen, and assign students to school classrooms where qualified teachers can provide certain pre-teaching experiences.
9. Aid students in obtaining state certification in their area or areas of specialization.
10. Help students make appropriate career decisions.
11. Provide prospective employers with proper information regarding the student's performance at the University.
12. Utilize a system of follow-up on each student's performance as a classroom teacher.
13. Make staff members available to local school inservice programs which are designed especially for staff and/or curriculum improvement.

Criteria for Admission to Teacher Education Programs

All applicants for admission to a program leading to teacher certification must be approved by the Screening Committee.

Freshmen and sophomores who have indicated a desire to pursue a Teacher Education Program will be notified at the proper time for filing the Program Plan-Teaching Form.

Application for admission to a teacher education program is accomplished by:

1. Obtaining the Program Plan-Teaching Form (Ed 8a) from the College of Education and Psychology Dean's Office.
2. Filling out this form properly with the major adviser and help of an education adviser.
3. Having this form checked and turned in to the designated adviser in the Department of Curriculum and Instruction.
4. Having the Curriculum and Instruction adviser forward the Program Plan-Teaching Form to the Dean's Office, College of Education and Psychology.

Upon receiving the required forms, the Dean's Office will initiate a file on the student.

Once this sequence is accomplished successfully, a T.E. should be evidenced each quarter on the Registration Appointment Form. This symbol indicates to all advisers involved that an approved program plan for teaching certification has been checked and filed in the College of Education and Psychology Dean's Office.

Criteria which must be met for tentative approval include the following:

1. An overall 2.2 grade point average.
2. At least a C average in first year English. (If this is not met, ENG 332 must be taken to remove the deficiency. If ENG 332 is taken to remove the deficiency, the course may not then be used toward the twelve (12) semester hours of required English.)
3. Acceptable physical health status.
4. Emotional stability.
5. Satisfactory personal characteristics.

Criteria for Completion of Teacher Education Programs

All teacher candidates must complete all graduation requirements set forth in the general University regulations as well as: (1) complete all program requirements as set forth in the official Program Plan (Ed 8a); (2) earn a grade of C or higher in all professional education courses included in the respective teaching program; and (3) take both the Common and Teaching Area segments of the National Teacher Examinations.

Teaching Certification

Students preparing to teach must choose a teaching area from one of the following:
Elementary Education (N-3, K-3, K-8, 4-8, 4-12);
Secondary Education (7-12), or Special Areas (K-12).

To prepare for a career in secondary education the student will major in an academic area and fulfill the general and professional requirements listed under the Secondary Education Section (see Department of Curriculum and Instruction).

Requirements for Teaching Degrees

Students preparing to teach usually pursue the Bachelor of Science degree through the College of Education and Psychology. However, students preparing as teachers at the secondary school level may choose to pursue the Bachelor of Arts degree through the College of Education and Psychology provided the degree is offered for the major in the college or school offering the major. It is permissible for a student to graduate from any college or school that offers a teaching major if the student prefers. However, all students who desire to become teachers must apply for admission to the Teacher Education Program in the College of Education and Psychology and be screened according to the preceding procedures for admission to the program.

Requirements for Non-Teaching Degrees

The College of Education and Psychology offers major programs in psychology, office management, executive secretarial studies, bilingual secretarial studies, social and

rehabilitation services, and industrial vocational areas leading to the Bachelor of Science non-teaching degree. Students in psychology may take programs leading to the Bachelor of Arts degree.

Bachelor of Arts (Non-Teaching)

The requirements for the Bachelor of Arts non-teaching degree are the same as those for the Bachelor of Science non-teaching degree with one exception. Students in the Bachelor of Arts program must complete six (6) to nine (9) hours in a foreign language. Those students who have completed two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing six (6) semester hours in the same language at the 200 level or above.

Major Requirements and Electives

Students should consult with their major departments concerning the major and/or minor requirements and electives which constitute the balance of the degree requirements.

SPECIAL SCHOOL SERVICES

Office of Student Teaching

Willie E. Cooley, Director

The basic purpose of the student teacher program is to provide all students in teacher education with opportunities that will assist them in developing the skills and competencies necessary for a beginning teacher. The student teaching program provides an environment for a realistic evaluation of the strengths and weaknesses of prospective teachers.

All student teaching is done in off-campus cooperating schools designated by the Director of Student Teaching. Supervision is provided by cooperating school personnel and faculty members of the University.

Each student must follow the procedure listed below in submitting both his request and application for student teaching.

REQUEST—Formal request must be submitted to the Office of Student Teaching six (6) months prior to student teaching. There is no regular student teaching during the summer.

APPLICATION—Three (3) months prior to the student teaching semester, the prospective student teacher must obtain his application for student teaching and return it within ten days. All student teachers:

1. Must have completed a minimum of 88 semester hours of college work.
2. Must have completed a minimum of sixteen (16) semester hours in their major field, six (6) of which must have been taken in residence in this institution.
3. Must have at least a 2.2 overall average at the time they submit their application.
4. Candidates for student teaching in the elementary school must have completed the following courses—REF 300, CIE 301, 305, 306, 309, 311 or 312, EPY 370 and 374.
5. Candidates for student teaching in the secondary school must have completed REF 300, EPY 372 and 374 and special methods courses listed as CIS 451 - 465.
6. Must have been admitted to a teacher education program for at least six (6) months.
7. Must expect to spend the required time in an off-campus school designated by the Director of Student Teaching.

Candidates for student teaching in the secondary school should register for CIS 313, Principles of Teaching in High School, simultaneously with student teaching.

Candidates for student teaching in the elementary school should register for CIE 343 or 425, **Methods and Materials in Elementary Education**, simultaneously with student teaching.

The individual nine-hour courses in preservice student teaching are: **Elementary Education**—CIE 480 (Lower Elementary), and CIE 482 (Upper Elementary): **Secondary Education**—CIS 481 (Business Education), CIS 482 (Art Education), CIS 483 (Industrial Arts), CIS 484 (English), CIS 485 (Foreign Language), CIS 486 (Sciences), CIS 487 (Mathematics), CIS 488 (Social Studies), CIS 489 (Speech), CIS 491 (Health and Physical Education), CIS 492 (Library Science), CIS 493 (Music Education), and CIS 494 (Journalism); **Special Education**—SPE 480 (Mentally Retarded), SPE 482 (Visually Handicapped), SPE 483 (Physically Handicapped), and SPE 485 (Learning Disabilities).

Regulations for Admission to Student Teaching Seminar CIE 489 and CIS 495

Student teaching for inservice teachers will be offered each summer for six (6) semester hours. To be eligible for this course:

1. The applicant shall submit evidence of two years teaching experience and recommendation from a principal or superintendent under whom the applicant has worked.
2. The applicant shall present evidence of a contract for the coming school year.
3. The applicant shall have previously earned twelve (12) semester hours from this institution and shall not be on probation.
4. The applicant must be in an undergraduate degree program at this institution.
5. The applicant must be teaching in Mississippi.
6. The applicant must meet all the requirements for student teaching.
7. Permission to enroll in these classes shall be granted by the Director of Student Teaching following an interview with the applicant.
8. Application for inservice student teaching must be made in the Student Teaching Office by March 30.

Educational Media Center

Lee Jones, Director

Garcia, Shaffer, J. L. Young

In order to be of service to the schools of Mississippi and to provide higher standards of teacher education, the University has established the Educational Media and Technology program. The program provides courses in instructional media selection, utilization, and preparation for teacher education. Master's and specialist's degree programs leading to Mississippi AA and AAA certification are offered.

The academic program encompasses graduate and undergraduate offerings. Basic courses are designed to provide an overview for prospective teachers and Library Media specialists, while advanced courses are designed to provide a nucleus for individuals with a strong interest in media at the graduate level and to provide supplementary training for teachers, administrators and other school personnel.

The program includes the operation of a curriculum materials center for the College of Education and Psychology, and laboratories for teaching the use of audiovisual equipment and for the production of instructional audiovisual materials.

The program's staff specializes in utilization, production and management of Educational Media in all forms; and in the design and development of systems for individualized instruction. The staff is available to assist local school districts in these areas with faculty inservice workshops, extension courses, and consulting services.

For further information you may contact:

Director, Educational Media and Technology
Southern Station, Box 54
Hattiesburg, Mississippi 39401
Phone (601) 266-7304

Psychology Clinic

The University of Southern Mississippi, through the Psychology Clinic, affords graduate students in psychology opportunities for clinical experience in a psychology practicum setting. Training and experience in diagnostic testing, psychological appraisal, psychotherapy, and behavior modification techniques are the primary foci of the Clinic's function. Work with both children and adults provides doctoral level graduate students specializing in the clinical areas with a variety of experiences with different forms of maladaptive behavior and learning problems.

Another major function of the Clinic is to provide psychological services to University students. Additionally, service to the community and to the state in the form of diagnosis and treatment of emotional and learning problems is an important function of the Clinic.

Members of the Clinic's staff and the Psychology Department offer consultation to other clinics on the campus and work with them on various related problems.

University students, faculty and staff personnel, public school teachers, physicians, and other interested persons may obtain psychological services by applying to the Clinic.

In ALL cases, student clinicians are closely supervised by experienced clinical personnel.

The Reading Center

George H. McNinch, Director

The primary responsibility of the Reading Center is in promoting effective teacher education for elementary and secondary students in methods, techniques, and materials in reading and language arts. Focus of the programs is at the undergraduate, master's and advanced graduate levels emphasizing theory, practice, evaluation, and research. The Reading Center is able to offer limited services in the diagnosis of reading problems and remedial reading to children referred to the Center. The cost of the diagnostic evaluation which includes a suggested program of remedial procedures is $30.00, or a proportionate part, based on ability to pay. Remedial instruction, provided by a graduate or undergraduate student on a limited basis, is $35.00 per quarter.

An up-to-date collection of materials used for elementary, secondary, or adult reading instruction and a library of children's books are open for examination.

University students and adults may obtain testing, counseling, and special instruction in the reading areas of comprehension, vocabulary development, and study skills improvement through enrolling in the Center's "Improvement of Study" course.

An annual reading conference is held each year in the spring or summer. Nationally known reading authorities are featured on the program.

Bureau of Educational Research

Richard Kazelskis, Director

The Bureau of Educational Research is an administrative entity of the Office of the Dean, College of Education and Psychology, at the University of Southern Mississippi. The primary purpose of the Bureau is to provide research and dissemination services to University students, faculty, and the public schools within the State of Mississippi. Major functions include technical assistance in research design and data analysis, coordination of faculty research, reporting of research and professional activities of faculty and students, and independent evaluation of special projects and programs within the College of Education and Psychology.

The Bureau has developed a system of computer programs available for the treatment and analysis of data and provides training and assistance in the utilization of electronic calculators for more limited data treatment requirements. In addition, special services relative to measurement instruments and other specialized research tools are provided.

Additional information may be obtained by contacting the Director of the Bureau of Educational Research.

Center For Community Education

William Hetrick, Director

The Center for Community Education, located in the Department of Educational Administration and Supervision, is part of a national network of fifteen regional and over eighty cooperating centers, each responsible for promoting Community Education in a specific geographic area. Founded in 1974, the Center at the University of Southern Mississippi serves the State of Mississippi through:

- . . . . disseminating information on the Community Education concept through brochures and informational hand-outs, films, slides, and formal presentations.
- . . . . providing advice and technical assistance to community colleges, school districts, communities and individual schools wishing to start Community Education.
- . . . . providing for the training needs. Included herein is the training of professional personnel who administer Community School programs plus in-service training for staff members and community members.

For further information, contact:
Dr. William Hetrick, Director
Center for Community Education
Southern Station, Box 27
Hattiesburg, Mississippi 39401
Phone AC 601-266-7171

Counseling Laboratory

Ben Hutton, Director

The Counseling Laboratory, in the Department of Counseling Psychology and Counselor Education, is designed to assist individuals whose problems fall within the realms of educational planning, vocational or career decision-making, and personal-social adjustment. It serves two purposes: (1) to offer professional service to persons seeking such services, and (2) to provide qualified graduate students the opportunity to observe and apply theoretical concepts.

The Laboratory is available to anyone of any age, students or general public, whose problems fall within the scope of the services outlined above. These services are not restricted to any particular area nor to any particular group.

The staff of the Counseling Laboratory is composed of members of the teaching faculty of the Department of Counseling Psychology and Counselor Education and graduate students under their supervision. The Laboratory has been evaluated and approved by the International Association of Counseling Services, Inc.

Write, telephone, or contact in person:
Dr. Ben Hutton, Director
Counseling Laboratory
Southern Station, Box 5327
Hattiesburg, MS 39401
Phone: 266-7151 or 7163

Children's Laboratory of Learning

Patricia Jobe, Director

The Children's Laboratory of Learning is a part of the Department of Curriculum and Instruction. It provides a three-fold purpose: (1) a half-day kindergarten program for 5-year-old children; (2) a site for graduate and undergraduate teacher training in methods and materials used in Early Childhood Education; and (3) a site for approved research projects conducted by graduate students and faculty and for adjunct services offered in the Speech and Hearing Clinic, the Department of Special Education, the Department of Physical Education and other colleges and schools within the University.

Staff members are available for consultation services, inservice workshops and off-campus courses.

Speech and Hearing Clinic

Robert C. Thomas, Director

The Speech and Hearing Clinic is operated by the Department of Speech and Hearing Sciences in the College of Liberal Arts, but it works with the College of Education and Psychology in the preparation of Special Education teachers. The Clinic is located in the Speech and Hearing Sciences Building.

This Clinic has a dual function. It provides facilities for the training of specialists in the area of clinical speech, audiology, and language disorders, and provides clinical services for persons with speech, hearing, and language problems.

The Clinic's services include diagnostic examinations and therapy programs for both children and adults who have speech or hearing problems. These services are available to both University students and members of the community at nominal fees.

School For Children With Language Disorders

N. Etoile DuBard, Director

The School for Children with Language Disorders is part of the Department of Speech and Hearing Sciences. It is a laboratory school for children with language and speech disorders related to hearing impairments, aphasia, or dyslexia. Children may be enrolled full-time or part-time or on an out-client basis according to their needs. Diagnostic evaluations are available for children with language and learning problems.

Financial support is provided by Forrest-Lamar Counties United Way, the State Department of Education, and tuitions and fees.

University students, upon completing specific courses, may obtain supervised clinical practicum in the school for either academic credit or clock hours.

DEPARTMENT OF ADULT EDUCATION (ADE—110)

L. Conrad Welker, Chairman

L. Baker, Olsen, W. Pierce, Weare

The Department of Adult Education offers graduate programs for persons who work with adult learners in a wide variety of settings. Programs are provided which lead to the master's, specialist's, and doctoral degrees. For descriptions of these programs, please consult the **Graduate Bulletin.**

Some courses are offered at the undergraduate level to support degree programs in other departments and as staff training for agencies that employ persons at the baccalaureate level or below to work with adult students.

DEPARTMENT OF BUSINESS EDUCATION (BED—105)

L. Annelle Bonner, Chairman

M. Borthwick, Conerly, S. Green, C. Lewis, G. Taylor

The Department of Business Education offers curricula in business teacher education, office management, two four-year programs in executive secretarial studies, one four-year program in distributive education, and a two-year program leading to a specialized certificate in secretarial training.*

The student who plans to teach business subjects or distributive education on the high school level will follow the curriculum prescriptions which lead to the Bachelor of Science teaching degree. He will enroll in the College of Education and Psychology. He must meet the admission requirements for the College. His major field of concentration will be in business subject matter or distributive education prescribed by the Department of Business Education. The professional education and psychology requirements constitute the minor.

A student interested in becoming a legal or a medical secretary can get increased emphasis in the professional field chosen through consultation with an adviser who will make necessary minor changes in the Executive Secretarial Studies program.

*Other specialized emphases are legal secretaryship and medical transcription.

The recommended minor in secretarial studies is nine (9) hours in typewriting, nine (9) hours in shorthand, and nine (9) hours in advanced business education courses. A year of typewriting and a year of shorthand taken in high school will reduce the number of recommended hours to twenty (20).

To complete the curriculum requirements in business teacher education, executive secretarial studies, or secretarial training, one course in typewriting and one course in shorthand must be taken at the University of Southern Mississippi.

A student with one year of typewriting in high school cannot get credit for BED 101, and a student with one year of shorthand in high school cannot get credit for BED 201. A student who has had more work than this in either or both fields should consult with the chairman of the Department of Business Education about the appropriate beginning courses for his program.

COMMON REQUIREMENTS FOR A MAJOR IN BUSINESS EDUCATION

All students pursuing a major in Business Education must complete the following requirements.

	Hours
General Core for the College of Education and Psychology (See exceptions on departmental program sheet)	53
Professional Requirements (Specialized Subject Matter)	
Business Education BED 102, 310, 354, 202, 305, 471; ACC 201, 202, 300; BED 300, 352, 450, 452, 453, 460, 485; ECO 256; GBA 100, 295	55
Professional Education (Minor) REF 300; EPY 372, 374; CIS 451, 313, 481, 469	27

REQUIREMENTS FOR A MAJOR IN BILINGUAL SECRETARIAL STUDIES

All students pursuing a major in Bilingual Secretarial Studies must complete the following requirements.

	Hours
General Core for the College of Education and Psychology (See exceptions on departmental program sheet)	53
Professional Requirements (Specialized Subject Matter)	
Business Education BED 101, 102, 310, 354, 201, 202, 305, 471, 472, 300, 352, 450, 460, 480, 485; ACC 201, 202; GBA 295; FIN 389; ECO 330; PS 434, 458	64
Language Major—Spanish Courses (A minimum of)	28

REQUIREMENTS FOR A MAJOR IN OFFICE MANAGEMENT

All students pursuing a major in Office Management must complete the following requirements.

	Hours
General Core for the College of Education and Psychology (See exceptions on departmental program sheet)	56
Professional Requirements (Specialized Subject Matter)	
BED 102, 310, 354, 300, 352, 450, 460, 480, 485; ACC 201, 202, 300; MKT 300; GBA 295, 311; FIN 389; ECO 330; MGT 360, 364, 454, 468, 484; PSY 251	67
Electives to total 128 hours	

Requirements for an Emphasis in Executive Secretarial Studies

All students pursuing an emphasis in Executive Secretarial Studies must complete the following requirements.

	Hours
General Core for the College of Education and Psychology (See exceptions on departmental program sheet)	53

Professional Requirements (Specialized Subject Matter)
BED 102, 310, 354, 202, 305, 471, 472, 300, 352, 450, 460, 480, 485;
ACC 201, 202, 300; MKT 300; GBA 295, 311;
FIN 389; ECO 330 61
Electives to total 128 hours
Emphasis Area: Legal Secretaryship (above program plus) 3
Medical Transcription (above program plus) 9

Requirements for an Emphasis in Distributive Education

All students desiring an emphasis in Distributive Education must complete the following requirements.

Hours

General Core for the College of Education and Psychology
(See exceptions on departmental program sheet) 58
Professional Requirements (Specialized Subject Matter)
BED 101, 102, 300, 340, 352, 452, 454, 455, 456, 460;
ACC 201, 300; ECO 256; GBA 295; MGT 360;
MKT 300, 330, 342; PSY 455 58
Professional Education (Minor) REF 300, 469; EPY 372, 374;
CIS 313, 481 24

NON-DEGREE PROGRAMS

Secretarial Training (two-year)

Hours

General Core for the College of Education and Psychology
(See exceptions on departmental program sheet) 20
Professional Requirements (Specialized Subject Matter)
BED 102, 310, 354, 202, 305, 471, 472, 300, 352, 450, 460, 485;
ACC 201, 202; ECO 255; GBA 295 46

DEPARTMENT OF COUNSELING PSYCHOLOGY AND COUNSELOR EDUCATION (CPY—140)

John D. Alcorn, Chairman

Boroughs, Burch, Culberson, Daniels, Durkee, Gutsch, Hollandsworth.

Hutton, Probst, Randolph, Shafer, J. Stevens, Sturgis

The Department of Counseling Psychology and Counselor Education offers both graduate and undergraduate programs. At the graduate level, separate curricula are offered to prepare students for positions in elementary and secondary school, college, and community agency settings. See the **Graduate Bulletin** for course patterns of each curriculum. The department offers work leading to the Master of Education in School Counseling; the Master of Science in College Counseling and in Counseling Psychology; and the specialist's degree in Counseling and Guidance. A doctoral program is offered in Counseling Psychology with emphases available in Community, Student Personnel, and Elementary/Secondary areas. The course pattern included in the Master of Education program in School Counseling will meet Mississippi State Department of Education requirements for AA certification as a school counselor.

The undergraduate curriculum provides an inter-departmental major in social and rehabilitation services. Three alternate emphases are offered within the major. The Counseling Associate emphasis is designed primarily as entry-level preparation for students planning to enter positions in agencies or institutions providing rehabilitative, social, or mental health services. Pre-professional emphases are offered which prepare students for entering professional graduate training programs in counseling psychology or social work. Other undergraduate courses are offered as introductions to aspects of counseling and personnel work and may be used as electives subject to the approval of program advisers in the respective departments.

The program in Social and Rehabilitation Services includes 30 semester hours in Social and Rehabilitation Services courses, 9 semester hours in sociology courses (excluding introduction), and 9 semester hours in psychology courses (excluding introduction). In addition to the 53 hours in Core Requirements for the College of Education and Psychology other courses include 12 semester hours in special areas and 23 hours in electives. A minor is not required; however, the student may choose a minor in a related area, in which case, courses included under the interdepartmental major may be used in the minor area. It is necessary to include at least 18 semester hours in such a minor.

Social and Rehabilitation Services Major

	Hours
General Core, College of Education and Psychology	53
Major Requirements	60
Departmental Courses	30
Required: CPY 310, 311, 312, 360, 361, 413, 431, 462	
Choose six additional hours from: CPY 423, 430, 432, 433	
Sociology (excluding introductory course)	9
Psychology (excluding introductory course)	9
Special Areas	12
Choose twelve (12) hours from any combination of the following areas: Business Education, Management, Special Education, Criminal Justice, Child Development, Adult Education.	
Electives	23
Total Degree Program	136

DEPARTMENT OF CURRICULUM AND INSTRUCTION
(CIE—115) (CIS—120)

Milton B. Baxter, Chairman

Bobby D. Moore, Coordinator, Elementary Education

Herschel Q. Peddicord, Coordinator, Secondary Education

Bonnie J. Davis, Coordinator, Pre-Professional Programs

Allen, Blalock, Borthwick, Campbell, Carmichael,

Cooley, J. C. Davis, P. Dennis, Hensley, Jobe, McNinch,

Manly, W. Miller, Mottley, Noble, L. Posey, Purvis, Rains,

Rees, Richmond, Thompson

JOINT ASSIGNMENT WITH OTHER DEPARTMENTS: O'Hare, English; I. Brown, Science Education; Wiggins, Journalism; Shands, Speech Communication; Dunigan, R. W. King, and Mullins, Mathematics; Hunter, Industrial and Vocational Education; Buschner, Health, Physical Education, and Recreation; Neumann, Foreign Languages; Bowman, Art; Bonner, Business Education.

Serving as the coordinating agency within the University for the training and preparation of elementary and secondary teachers, the Department of Curriculum and Instruction provides undergraduate and graduate work for both preservice and inservice teachers. A description of the undergraduate programs in elementary and secondary education follows. Please consult the **Graduate Bulletin** for a description of the programs leading to master's, specialist's, and doctor's degrees.

ELEMENTARY EDUCATION

Students pursuing a major in elementary education must fulfill the requirements for one or more of the following four emphasis areas: (1) **Nursery-Early Childhood Education** (nursery school through grade three), (2) **Early Childhood Education** (kindergarten through grade three), (3) **Middle Grades** (grades four through eight), and (4) **Comprehensive Elementary Education** (kindergarten through grade eight).

A modified program is available for elementary education majors who wish to obtain basic certification in the middle grades (4-8) as well as additional certification in one or more teaching areas at the secondary-school level (7-12). Although the basic requirements for this program are shown in the sections which follow, interested students should contact the Coordinator of Elementary Education for further information.

General Core: The general Core for elementary education majors parallels the General Core for the College of Education and Psychology. Regardless of the program(s) being pursued, all elementary school majors must complete the courses outlined under this section as well as the section entitled **Common Professional Education Requirements.**

	Hours
ENG 101, 102, and two (2) other English courses 200 level is above	12
HIS 101 and 102 or 140 and 141	6
Social Sciences	6
Elect two of the following: PS 101, SOC 101, GHY 103, ECO 200, ANT 212, Science	12

Six hours of physical science and six hours of biological science are recommended although three hours in either area with nine hours in the other area are acceptable. Fundamentals of Science 131, 132, 133 and 134 are recommended.

	Hours		Hours
PSY 110	3	HSE 101	3
MAT 210, 310	6	ARE 207	3
PA 111	3	PED or ROTC/AFROTC	2
Total	56 hours		

Common Professional Education Requirements

	Hours		Hours
EPY 374	3	REF 300	3
CIE 309	3	REF 416	3
MED 361	3	REF 469	3
CIE 306	3	CIE 301	3
CIE 317	3	Prerequisite MAT 210, 310	
Total	27		

Special Professional Education Requirements (N, K-3)

Those students desiring to teach in nursery school through grade three will also complete the courses under this section.

	Hours		Hours
CD 350	3	CIE 403	3
CD 351	3	SCE 432	3
FN 362	3	EPY 370	3
CIE 311	3	*CIE 480	9
CIE 412	3	CIE 425	3
		Electives	9
Total	45 hours		

*Must be done below first grade.

Special Professional Education Requirements (K-3)

Those students desiring to teach in kindergarten through grade three will also complete the courses under this section.

	Hours		Hours
CIE 330	3	MED 362 or SPE 400 or PED 320 or 321	3
CIE 311	3		

CIE 412	3	CIE 305	3
CIE 403	3	EPY 370	3
SCE 432	3	CIE 480	9
ARE 309	3	CIE 425	3
		Electives	6
Total	45 hours		

Special Professional Education Requirements (4-8)

Those students desiring to teach in grades four through eight will also complete the courses listed below.

	Hours		Hours
CIE 312	3	CIE 305	3
CIE 412	3	EPY 372	3
ARE 309	3	CIE 482	9
MED 362 or SPE 400 or PED 320 or 321	3	CIE 343	3
		Electives	12
SCE 432	3		
Total	45 hours		

Students who wish to obtain certification in the middle grades (4-8) as well as additional certification in a teaching area at the secondary school level (7-12) should complete the **General Core,** the **Common Professional Education Requirements,** and the courses listed below:

	Hours		Hours
CIE 312	3	EPY 372	3
CIS 451-459, 462 465, (special methods course)	3	CIE 482	9
		CIE 343	3
		CIS 313	3

Subject area courses necessary for obtaining certification in a teaching field for grades 7-12 ..... 12 to 33

Electives (The number of semester hours available for electives will depend upon the secondary-school teaching area chosen.)

Special Professional Education Requirements (K-8)

Those students desiring to teach in kindergarten through grade eight will also complete the courses under this section.

	Hours		Hours
CIE 330	3	MED 362 or SPE 400 or PED 320 or 321	3
CIE 311	3	EPY 370	3
CIE 312	3	CIE 305	3
CIE 412	3	CIE 480 and 425	12
CIE 403	3	(or)	
SCE 432	3	CIE 482 and 343	12
ARE 309	3	Electives	3
Total	45 hours		

Areas of Concentration for Certification

Students enrolled in the Nursery-Early Childhood and Early Childhood programs are required to acquire one area of concentration. An area of concentration in reading is included in these two programs; therefore, no additional concentrations are required.

Students enrolled in the Middle Grades and Comprehensive Elementary Education programs are required to have two areas of concentration. An area of concentration in reading is included in these two programs; therefore, students are required to obtain a second area of concentration from those listed below.

Students enrolled in the modified Middle Grades program (a major in elementary education with an emphasis in grades 4-8; also, a minor in secondary education with an emphasis in one or more teaching areas at the secondary level) are also required to have two areas of concentration. One area of concentration is included in this program; therefore, students are required to obtain a second area of concentration from those listed below.

Areas of Concentration: Recommended Courses

		Total Hours Required
Reading	CIE 412	12
Social Studies	One social science course	18
Science	SCE 453, 454, 455	18
English	ENG 401 and one upper level course	18
Mathematics	MAT 410, 101	12
Library Science	LS 401, 405, 408, 409, 411	15
Speech	PS 210, 310, SHS 201, 202, 211, 401	12
Art	ART 101, 111; ARE 320, 392, 426	15
Music	MUS 101, 102; MED 311	12
Health and PED	HSE 210, 311, 410; PED 284, 320, 321	15
Exceptional Children		
Mental Retardation	SPE 400, 402, 411, 440, 441	12
Learning Disabilities	SPE 400, 402, 411, 430, 431	12

SECONDARY TEACHER EDUCATION

PROGRAMS (Grades 7-12)

To qualify for an undergraduate degree with certification to teach at the secondary-school level, the student must complete: (1) the requirements of the General Core, College of Education and Psychology, (2) an academic major in a field of teacher certification, (3) the requirements of the secondary education minor or the secondary education major, and (4) any elective requirements necessary to complete the degree program.

General Core, College of Education and Psychology

All students seeking certification at the secondary-school level must complete the general education requirements listed under the General Core, College of Education and Psychology. A student receiving the degree from a college or school other than the College of Education and Psychology must also satisfy the core requirements of that college or school.

The specific courses listed below should be taken to satisfy the following general requirements of the General Core, College of Education and Psychology: mathematics—MAT 101 or MAT 120 (MAT 210 and MAT 310 may not be used to satisfy the mathematics requirements); science—FS 104, 105, 106, and 107 or equivalent laboratory sciences (FS 131, 132, 133, and 134 may not be used to satisfy the science requirement); fine arts—AA 100 or MUS 365.

Academic Major

Students seeking certification at the secondary-school level must complete the requirements for an academic major in a teaching field. Academic majors offered for certification in the various teaching fields at the secondary-school level are:

American Studies*
Biology**
Business Education
Chemistry**
Economics*
English
French
Geography*
Industrial and Vocational Education (Trades and Industries)
Journalism
Mathematics
Physics**
Political Science*
Psychology
Public Address

German
History*
Home Economics Education
Industrial Arts
Science Education**
Social Studies*
Sociology*
(general sociology major only)
Spanish

*The social studies major provides for a broad preparation in the social sciences and certifies the student to teach all of the social sciences at the secondary-school level. Specific certification in American studies, economics, geography, history, political science, or sociology is not available in Mississippi; however, these majors may receive certification in social studies to teach all of the social sciences if their degree program includes the following courses: HIS 101, 102, 140, 141, and 341 (15 semester hours), economics (6 semester hours), political science (6 semester hours), geography (6 semester hours), and sociology (3 semester hours.)

**Students who plan to teach science at the secondary-school level should select the science education major which certifies the student to teach one or more sciences and general science. Students who desire to major and certify in one science area only (biology, chemistry, or physics) must have the approval of the chairman of the Department of Science Education.

Students should refer to their academic major department for specific requirements for an academic major in their field.

Secondary Education Minor

Students who plan to teach at the secondary-school level must complete the following courses (professional education requirements) which serve as the student's minor: REF 300, EPY 372, EPY 374, REF 469, CIS 451-465 (a methods course in the student's academic area), *CIS 313, and *CIS 481-494.

*For information concerning the student teaching component, see the section entitled Office of Student Teaching under College of Education and Psychology and CIS course descriptions in the Course Description Section of this Bulletin.

Students may not enroll in any of the secondary education minor courses shown above until they have completed and turned in a Program Plan-Teaching Form to the Coordinator of Secondary Education, Department of Curriculum and Instruction, College of Education and Psychology.

Secondary Education Major

In lieu of the secondary education minor, students who plan to teach at the secondary-school level may elect and are encouraged to complete the requirements for a secondary education major which consists of the twenty-seven (27) semester hours described under the secondary education minor plus the following courses: CIS 310, and REF 416.

SPECIAL AREA TEACHER EDUCATION PROGRAMS (Grades K-12)

The following special area teaching degree programs are offered by the College of Education and Psychology or in cooperation with other colleges and schools of the University:

Art Education*
Education of the Hearing Impaired**
Library Science*
Health and Physical Education*
Music Education*
Special Education***
Speech and Hearing Sciences**

*Students seeking special area teacher certification in library science, health and physical education, art education, and music education must complete: (1) the General Core, College of Education and Psychology, (2) an academic major in the selected teaching area, (3) the secondary education minor or major, and (4) any elective requirements necessary to complete the degree program. These requirements are the same as those for students seeking certification to teach at the secondary-school level (grades 7-12).

**Students seeking special area teacher certification in education of the learning impaired and speech and hearing sciences should see curricula requirements for these areas which may be found in the section entitled Speech and Hearing Sciences, College of Liberal Arts. Students seeking certification in these special areas will enroll in the College of Education and Psychology, and then will be assigned to the Department of Speech and Hearing Sciences for courses in the major. The undergraduate teaching degree will be awarded by the College of Education and Psychology.

***Students seeking special area certification in special education should see curricula requirements for various special education programs which may be found in the section entitled Department of Special Education, College of Education and Psychology.

DEPARTMENT OF EDUCATIONAL ADMINISTRATION AND SUPERVISION (EDA—130)

James H. McPhail, Chairman

B. Anderson, E. Bedenbaugh, Carson, Ginn, Hetrick,

Rush, D. Stewart, S. Weatherford, H. S. Williams

The Department of Educational Administration and Supervision offers programs for the preparation of administrators for the public schools and colleges and for teachers of educational administration. These preparation programs are offered only at the graduate level and lead to the master's degree, the sixth year specialist's degree, and the doctor's degree. For a description of these programs, consult the **Graduate Bulletin.**

DEPARTMENT OF INDUSTRIAL AND VOCATIONAL EDUCATION (IVE—165)

William B. Burns, Chairman

Baron, Boyte, Hunter, Lackey, M. Lanmon

The Department of Industrial and Vocational Education offers a curriculum leading to the Bachelor of Science degree with majors in industrial mechanics (non-teaching), industrial arts, and industrial and vocational education. The department also offers programs leading to the Master of Science degree with majors in either industrial arts or industrial and vocational education and a specialist's degree in industrial and vocational education. For a description of the graduate programs, consult the **Graduate Bulletin.**

Through these diversified degree programs the department serves a dual role; providing saleable skills to students who desire a career in industry, and training teachers of industrial subjects.

COMMON REQUIREMENTS FOR A MAJOR IN INDUSTRIAL MECHANICS

(Non-Teaching Degree)

A major in industrial mechanics provides the student with concentrated study and direct experience with machines, power, materials, and industrial processes. This emphasis, when combined with an appropriate minor or electives, prepares the non-teaching major for a managerial, supervisory, or technical career in industry.

	Hours
General Core for the College of Education and Psychology	53
Departmental Requirements	
IVE 301, 302, 303, 315, 316, 381, 323, 324, 325 or 350, 331, 332, 333, 360, 361, 362, 364 or 365, 420 or 421, 482	54
Minor or Electives	
ECO 255, 301; MGT 360, 364, 456, 464, 466	21
Total	128

Although a minor is not required, the program outlined below reflects a minor in industrial management. The student's choice of a minor or electives should be determined by his or her career goals, and in consultation with the chairman of the Department of Industrial and Vocational Education.

All students pursuing a minor in this area must complete twenty-four (24) semester hours of IVE courses. Suggested courses to meet this requirement are as follows:

	Hours
IVE 301, 302, 323, 324 or 350, 331, 333, 360, 362	24

COMMON REQUIREMENTS FOR A MAJOR IN INDUSTRIAL ARTS

A major in industrial arts prepares the student to teach that phase of secondary education which serves to familiarize junior and senior high school students with their industrial and technological environment.

This program includes the University's graduation requirements and state certification requirements. The student automatically minors in secondary education.

	Hours
General Core for the College of Education and Psychology	53
Professional Requirements	
REF 300, 469; EPY 372, 374; CIS 453, 313, 483	27
Departmental Requirements	
IVE 116, 301, 302, 314, 315, 316, 323, 324, 350, 331, 332, 333, 360, 361 or 362, 364, 401	48
Total	128

COMMON REQUIREMENTS FOR A MINOR IN INDUSTRIAL ARTS

All students pursuing a minor in this area must complete thirty (30) semester hours in the following IVE courses:

	Hours
IVE 116, 301, 302, 323, 324 or 350, 331, 333, 360, 362 or 361, 401	30

COMMON REQUIREMENTS FOR A MAJOR IN INDUSTRIAL AND VOCATIONAL EDUCATION

A major in Industrial and Vocational Education prepares the student to teach a previously attained vocational or technical skill at the secondary or post-secondary level.

All students pursuing a major in Industrial and Vocational Education must complete the following common requirements, plus the requirements for one emphasis area.

	Hours
General Core for the College of Education and Psychology	53
Internship or Student Teaching	9
Vocational or Technical Skill Courses	24
Departmental Requirements	
IVE 401, 403, 431, 435, 436, 480, 481, 482	24

Requirements for an Emphasis in Post-Secondary Trade and Industrial Education

All students desiring an emphasis in Post-Secondary Trade and Industrial Education must complete the following requirements in addition to those listed in the section above entitled Common Requirements For A Major In Industrial And Vocational Education.

	Hours
IVE 432 or EPY 476	3
Electives to complete 128 hours	15

Requirements for an Emphasis in Secondary Trade and Industrial Education

All students desiring an emphasis in Secondary Trade and Industrial Education must complete the following requirements in addition to those listed in the section above entitled Common Requirements For A Major In Industrial And Vocational Education.

	Hours
REF 300, 469	6
CIS 313	3

EPY 372, 374 6
Electives to complete 128 hours 3

Requirements for an Emphasis in Technical Education

All students desiring an emphasis in Technical Education must include in the General Core for the College of Education and Psychology, 6 hours of physics, 3 hours of chemistry and 3 hours of college algebra. Further, the student must complete the following requirements in addition to those listed in the section above entitled Common Requirements For A Major In Industrial And Vocational Education.

Hours
MAT 103, 276 6
IVE 323, 324, 350 9
Electives to complete 128 hours 3

REQUIREMENTS FOR A MINOR IN ARTS AND CRAFTS

A minor in arts and crafts is offered cooperatively through the Department of Industrial and Vocational Education and the Department of Art. The eight required courses are as follows:

IVE 116 3	IVE 331 3	ART 251 3	ART 313 3
IVE 314 3	IVE 366 3	ART 312 3	Crafts 3

DEPARTMENT OF PSYCHOLOGY (PSY—175)

James D. Lowe, Jr., Chairman

H. N. Anderson, Dickson, Eno, Faulkender, Gates, Gurman, L. K. Hildman, B. Holliman, Horn, G. Jones, Koeppel, Layne, Ozerden, Presley, Ritzler, D. Sisemore, Snyder, Wesley

The Department of Psychology offers a full range of courses with emphasis areas in General-Applied Psychology, Pre-professional Psychology, and Teaching Psychology in High School. A student majoring in Psychology may work toward either a Bachelor of Arts or a Bachelor of Science degree. To complete the Bachelor of Arts degree, a student must complete nine (9) semester hours in a foreign language.

The student wishing to major in Psychology must complete twenty-four (24) semester hours of coursework in the Department of Psychology, in addition to PSY 110. Courses in Educational Psychology (EPY) are taught in the Department of Psychology and may be counted as part of the twenty-four required hours.

COMMON REQUIREMENTS FOR A MAJOR IN PSYCHOLOGY

All students majoring in Psychology must complete the following:

Hours
General Core for the College of Education and Psychology 53
Departmental Courses:
PSY 310, 320, 360, 418 12
Minor ..... See requirements listed elsewhere in Bulletin under Minor Requirements

Requirements for an Emphasis in General-Applied Psychology

In addition to the requirements listed under Common Requirements for a Major in Psychology, the student must complete the following:

	Hours
Departmental Electives (PSY or EPY course)	12

General Electives needed to complete the 128 semester hours degree requirement.

Requirements for an Emphasis in Pre-Professional Psychology

In addition to the requirements listed under Common Requirements for a Major in Psychology, the student must complete the following:

	Hours
Departmental Courses: PSY 422, 426, 436 or 455	9
Departmental Elective: (PSY or EPY courses)	3

General Electives needed to complete the 128 semester hour degree requirement.

Requirements for Emphasis in Teaching Psychology in High School

In addition to the requirements listed under Common Requirements for a Major in Psychology, the student must complete the following:

	Hours
Departmental Courses: PSY 422, 426, 455	9
Departmental Elective: (PSY or EPY course)	3
Minor in Secondary Education (See Secondary Education Minor listed elsewhere in **Bulletin**)	27

Electives needed to complete the 128 semester hour degree requirement.

DEPARTMENT OF RESEARCH AND FOUNDATIONS (REF—125)

Paul Peddicord, Chairman

J. Berry, Davidson, Ferguson, Gunn, Kazelskis,

Knight, Lee, Leonard, Shaffer, E. Walters, J. L. Young

The Department of Research and Foundations provides supportive services in teacher education. At the undergraduate level, these services include Educational Foundations and Educational Media. At the graduate level, these services include Educational Foundations, Educational Media, and Research Training.

DEPARTMENT OF SCIENCE EDUCATION (SCE—380)

Including Fundamentals of Science (FS—390)

Bobby N. Irby, Chairman

Bellipanni, F. Brown, I. Brown, Craven, Dale,

Hurst, Matthews, Milkent, Sonnier, Story

The Department of Science Education is operated jointly by the College of Science and Technology and the College of Education and Psychology. The facilities are in the College of Science and Technology. Programs in teacher education are in the College of Education and Psychology. Responsibility for the curriculum is shared jointly. Graduate programs are described in the **Graduate Bulletin.**

OBJECTIVES

The objectives of the Department of Science Education are: (1) to provide those courses in both the physical and biological sciences which would give a minimum degree of scientific literacy to all students; (2) to provide, in cooperation with the Department of Curriculum and Instruction, a curriculum in the sciences and science methods for elementary school teachers; (3) to provide programs for those students planning to teach the sciences at the secondary school level; (4) to provide programs leading to advanced degrees in science education; and (5) to work with public schools in the development of curricula, workshops, science fairs, and other activities designed to improve science instruction at all public schools levels.

CURRICULUM AND PROGRAMS

The Department of Science Education is primarily concerned with teachers and prospective teachers of science. Although some students will be planning to teach a specific science discipline, current public school organization encourages diversification of training in the sciences for prospective science teachers. Therefore, familiarity with principles and concepts common to all the scientific disciplines should be a prerequisite for teacher training programs in science education. Hence, programs in science education are so organized as to give teachers and prospective teachers a broad understanding of several sciences, with the opportunity for enough specialization in one area to pursue advanced study.

All prospective science teachers at the junior and senior high school levels are expected to complete introductory courses in the four basic science areas—biology, chemistry, geology, and physics. One year of college mathematics is also required. With few exceptions, the first mathematics course would deal with analytical geometry.

Specialization in the particular science, depending upon the area, requires from 23 to 29 semester hours credit in that area. Upon completion of the undergraduate program, the student would be certified to teach one or more specific sciences and general science. A general outline of the four-year program is given below:

COMMON REQUIREMENTS FOR A MAJOR IN SCIENCE EDUCATION

All students pursuing a major in Science Education must complete the following requirements:

	Hours
General Core for the College of Education and Psychology or the Core for the College of Science and Technology includes 12 hours in English and 9 hours in Mathematics	56
Basic Sciences. BIO 101, 102, 202; CHE 101, 102, 103; GLY 101, 103; GHY 323 or 324; and PHY 101, 102, 103	39
Minor in Secondary Education	27
Science Specialization—(Select one area)	
Biology — three electives in Biology: MIC 101; GEN 402; CHE 251, 252, 321	21
Chemistry — CHE 311, 312, 351, 352, 353	17
Earth Science — GLY 341 and one elective; AST 311, 312, 313; GHY 223 or 224 and 425	21
Physics — three electives in Physics, PHY 361, 362; MAT 276	18

The scope of the science education program and the fact that many courses run in sequence and are offered at particular times of the year necessitate careful and frequent advisement of students. It cannot be overemphasized that students should consult with their assigned adviser each quarter. Failure to do so will most often result in unnecessary delays and hardships in completing the program.

The above program provides a broad background and some depth in all science areas, gives the prospective teacher an opportunity for considerable depth and specialization in one science area, and requires the necessary background courses in professional education for effective teaching.

Students in the College of Science and Technology and in the College of Education and Psychology can major in science education and minor in secondary education. The program as outlined above for science teachers meets the certification requirements in all states in the areas of biology, chemistry, physics, earth science, general science, and physical science.

FUNDAMENTALS OF SCIENCE (FS—390)

Fundamentals of Science: Two courses in general physical science and two courses in general biological science of three semester hours credit each. These courses are designed to give the non-science major an acquaintance and understanding of certain fundamental principles of the major science disciplines.

Inasmuch as there is overlapping and duplication in these courses and those offered by various other science departments, the student should read carefully the limitations for each of the Fundamentals of Science courses. Any question should be answered by the student's adviser and/or the Department of Science Education prior to enrolling in these courses since they may be taken in any sequence the student chooses.

The FS 130 Series is designed for elementary education and special education majors. These courses are sequential and they should be taken in numerical order.

DEPARTMENT OF SPECIAL EDUCATION (SPE—190)

William V. Plue, Chairman

Gaar, Karnes, Markwalder, Norsworthy, Worthington

The University of Southern Mississippi prepares teachers to teach in several areas of exceptionality. Emphasis areas are available in Mental Retardation, Specific Learning Disabilities, Physically Handicapped, and Visually Handicapped.

Students who specialize in teaching exceptional children ordinarily major in Special Education with emphasis in their major area of interest. It is possible for students majoring in Elementary Education and others to take an area of concentration in Special Education and obtain an endorsement to teach in selected areas.

Students wishing to major in Special Education should follow the program outlined below. All prospective majors, or students electing a concentration field, are urged to consult with a member of the Department of Special Education in planning their programs.

PROFESSIONAL REQUIREMENTS FOR A MAJOR IN SPECIAL EDUCATION

All students pursuing a major in Special Education must complete the following requirements:

	Hours
General Core for the College of Education and Psychology	53
Professional Requirements	
SPE 200, 201, 202, 400, 401, 402, 403, 404, 411, 492	22
EPY 370, 374	6
CIE 306, 309	6
REF 300, 469	6
PED 320, 321, 401, 404, 411, 412, or REC 451	3

Specific Requirements for an Area of Emphasis

All students desiring an emphasis in a specific area must complete the following requirements in addition to those listed in the section above entitled PROFESSIONAL REQUIREMENTS FOR A MAJOR IN SPECIAL EDUCATION.

	Hours
Mental Retardation SPE, 440, 441	6
Specific Learning Disabilities, SPE 430, 431	6
Psysically Handicapped, SPE 428, 429	6
Visually Handicapped, SPE 420, 421, 422, 423, 424, 425	18

A Special Education major must complete the specific requirements in two areas of emphasis, except for those concentration in the education of pupils in visually handicapped education.

REQUIREMENTS FOR A MINOR IN SPECIAL EDUCATION

All students pursuing a minor in this area must complete twenty-two (22) semester hours of Special Education courses. Suggested courses to meet this requirement are as follows:

	Hours
SPE 200, 400, 402, 403, 404, 411, and 6 hours from one of the emphasis areas listed above	22

COLLEGE OF FINE ARTS
ACADEMIC OFFERINGS

Department	Major	Emphasis	Degree**
Art	Art*	Art	BA,BFA
		Art Education	
		Drawing and Painting	
		Graphic Communication	
		Three Dimensional Design	
Music	Music*	Church Music	BM
		Jazz	
		History and Literature	
		Organ	
		Percussion	
		Piano	
		Strings	
		Theory-Composition	
		Voice	
		Wind Instruments	
	Music Education	Elementary Music Education	BME
		Instrumental Music Education	
		Keyboard Music Education	
		Vocal Music Education	
Theatre Arts	Dance*		BFA
	Theatre*	Teacher Certification	BFA

*Indicates that a minor is available.
**Degree abbreviations: (BA) Bachelor of Arts, (BFA) Bachelor of Fine Arts, (BM) Bachelor of Music, (BME) Bachelor of Music Education.

COLLEGE OF FINE ARTS

David B. Foltz, Acting Dean

The primary purpose of the College of Fine Arts is to provide its students with a well-rounded preparation for professional or teaching careers in one of the many branches of art, music or theatre. In addition, it seeks to provide opportunities for students in all departments of the University to participate in artistic activities and develop an awareness of cultural values.

To achieve its purposes, the College of Fine Arts offers courses of study centered around a core of theoretical, historical, and other academic subjects, and designed to develop artistic ability and general cultural awareness.

ORGANIZATION

The College of Fine Arts is organized into four departments: Allied Arts, Art, Music, and Theatre Arts. Baccalaureate majors are available in Art, Art Education, Music, Music Education, Dance and Theatre. Undergraduate minors are available in Art, Dance, Music, and Theatre. An Allied Arts course, which is designed to introduce the arts in an integrated manner, is taught by teams of instructors drawn from each department of the College. This course fulfills the University's core requirements for fine arts.

Since curricular requirements vary for each major, students desiring degrees from the College of Fine Arts should follow the courses outlined under each department.

Students majoring in elementary education who wish to emphasize areas in fine arts, please see "Areas of Concentration for Elementary Certification."

DEPARTMENT OF ALLIED ARTS (AA—665)

Walter Lok, Chairman

Mullican, Raines

The Department of Allied Arts is an arm of the College of Fine Arts designed to provide students with an overview of the nature of the arts, generally, and to examine through a team of specialists, the structure of musical, plastic, and theatrical expressions.

DEPARTMENT OF ART
(ART—660) (ARE—665)

Jeff R. Bowman, Chairman

Davis, DeWitt, Meade, Merrifield, Poirier, Ryan, Slater, Ward

Curricula leading to the degree of Bachelor of Fine Arts are offered in art education, drawing and painting, graphic communication (commercial art), and three-dimensional design. Curricula are also available in art leading to the degree of Bachelor of Arts. Minor programs are available in art. The recommended art minor consists of nine (9) hours drawing, nine (9) hours design, and nine (9) hours of art history.

Exhibitions on tour and students' exhibitions are arranged and presented by the faculty and student committees. The National Teachers Examinations are required of all students with an emphasis in Art Education. The department reserves the right to retain student work for exhibition purposes.

COMMON REQUIREMENTS FOR A MAJOR IN ART

All students pursuing a major in art must complete the following requirements.

	Hours
General Core	
Humanities	9

Social Science 9
English 6
Mathematics 3
Science 6
Physical Education 2
or approved substitute
Professional Requirements
ART 101, 102, 103, 111, 112,
113, 131, 332, 333, 334 or 335 30
ART Electives 9

Requirements for a Major in Art, Emphasis Art
(Bachelor of Arts degree—BA)

All students desiring an emphasis in Art must complete the following requirements in addition to those listed in the section entitled COMMON REQUIREMENTS FOR A MAJOR IN ART:

	Hours
English 100 or Elective	3
Art Sequence I	9
Art Sequence II	9
Foreign Language	9
Minor and/or Electives	24

Requirements for a Major in Art, Emphasis Art Education
(Bachelor of Fine Arts degree—BFA)

All students desiring an emphasis in Art Education must complete the following requirements in addition to those listed in the section entitled COMMON REQUIREMENTS FOR A MAJOR IN ART:

	Hours
English	6
Science	6
Health	3
Speech	3
EPY 372, 374	6
REF 300, 469	6
CIS 313, 452, 482	15
ARE 309, 310, 492	9
ART 221, 351, 412, 414	12

(Six hours of English Literature will meet 6 of the 9 hour humanities requirement)

Requirements for a Major in Art, Emphasis Drawing and Painting
(Bachelor of Fine Arts degree—BFA)

All students desiring an emphasis in Drawing and Painting must complete the following requirements in addition to those listed in the section entitled COMMON REQUIREMENTS FOR A MAJOR IN ART:

	Hours
English 100 or Elective	3
ART 201, 202, 203, 221, 321, 322, 323, 421, 422, 423, 428	33
Electives	18

Requirements for a Major in Art, Emphasis Graphic Communication
(Bachelor of Fine Arts degree—BFA)

All students desiring an emphasis in Graphic Communication must complete the following requirements in addition to those listed in the section entitled COMMON RE-

QUIREMENTS FOR A MAJOR IN ART:

	Hours
English 100 or Elective	3
ART 201, 202, 341, 342, 343, 344, 441, 442, 443, 448	30
Electives	21

Requirements for a Major in Art, Emphasis Three-Dimensional Design

(Bachelor of Fine Arts degree—BFA)

All students desiring an emphasis in Three-Dimensional Design must complete the following requirements in addition to those listed in the section entitled COMMON REQUIREMENTS FOR A MAJOR IN ART:

	Hours
English 100 or Elective	3
ART 201, 202, 351, 352, 451, 452, 453, 454, 458	27
Electives	24

MUSIC AND MUSIC EDUCATION

The University of Southern Mississippi Department of Music is a fully accredited member of the National Association of Schools of Music. Requirements for entrance and for graduation are in accordance with the published regulations of this Association. Entrance examinations in music theory and piano are given all freshman music students.

Music majors who have taken music courses under private instruction or in such way as not to receive credit may be excused from required courses in the music curriculum on the basis of challenge examinations.

Students electing to take applied lessons not required for specific degree programs are required to pay an additional fee. (See Table II, Special Fees and Expenses.)

Every music major is required to participate in the same major organization for 11 or 12 quarters depending on the degree program. Departmental approval must be received if a student wishes to change organizations. In addition, the student will be allowed to participate in one other ensemble. Permission for participation in more than two ensembles must be granted by the Dean of the College.

Music and Music Education students are required to register for Recital Class (APM 199, 299, 399, or 499), attend the weekly student Recital Hour, and attend a minimum of 12 recitals/concerts each academic year.

REQUIREMENTS FOR A MINOR IN MUSIC

The student who wishes to take a Bachelor of Arts or Bachelor of Science degree and minor in music may do so by taking the following distribution of courses:

MUS 101, 102, 131, 201, 202,
MED 331, 332, 333
APM 101, 102, 103, 201; 161, 162 or MED 301
Instrumental Elective
Music Elective

DEPARTMENT OF MUSIC
(APM—670) (MUS—675) (MED—680)

A. Norbert Carnovale, Chairman

Andersen, Behm, Bruckner, W. Bullock, Compton, Cox, Cushman, P. Dennis, Donohue, Donovan, Enderlin, Foltz, A. Gower, W. Gower, L. Green, Guilbeau, Hays, C. R. Heiden, R. H. Hill, Hong, Imbragulio, Jerome, M. R. Johnson, Johnston, Landon, Lebsack, Love, MacMorran, Moreland, J. Mullins, Munsell, Osadchuk, Pound, R. Prenshaw, Presser, Ragsdale, Raines, Sanchez, Straley, N. Thomas, L. Thrash, Tuley, Waldoff, Wieman, V. Wood, Zaninelli, Zepeda

There are two undergraduate majors available to students in the Department of Music, a major in Music or in Music Education. Emphasis areas in music are: Church Music, Jazz, Music History and Literature, Organ, Percussion, Piano, Strings (including Guitar), Theory-Composition, Voice, and Wind Instruments. Music Education emphasis areas are: Elementary, Instrumental, Keyboard, and Voice.

All students majoring in music or music education must complete the Music Department core, as follows:

COMMON REQUIREMENTS FOR A MAJOR IN MUSIC/MUSIC EDUCATION

Mus 101, 102, 131, 201, 202, 231, 232, 233, 301, 302,
MED 331, 332, 333
APM 101, 102, 103, 201
Recital Class
Major Ensemble

Students must consult with the Coordinator of Undergraduate Studies.

COMMON REQUIREMENTS FOR A MAJOR IN MUSIC

(Bachelor of Music—BM)

Students pursuing a major in Music must complete the following requirements.

	Hours
University Core	32
Music Department Core	45

Requirements for an Emphasis in Church Music

The curriculum in Church Music is designed to provide a thorough and complete course of training for those who intend to pursue church music as a full-time profession. Special emphasis is placed on literature to be used in the church services. Students will not be enrolled for organ until satisfactory proficiency at the piano has been demonstrated.

Students desiring an emphasis in Church Music must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN MUSIC.

MUS 321 or 322, 351, 401, 448, 449, 459, 462
MED 311, 312, 424, 450
Minor APM Organ, Piano, or Voice
THE 341, 459
APM 470
Major APM
Religion Elective
Other electives to bring the total to 53 hours.

Requirements for an Emphasis in Jazz

Students desiring an emphasis in Jazz must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN MUSIC.

MUS 321, 322, 360, 367, 375, 401, 467, 468, 470, 475, 476, 477
Music History/Literature Elective
MED 321, 322, 323, 427
APM 284, Minor Instrument
Other electives to bring the total to 53 hours.

Requirements for an Emphasis in Music History and Literature

The curriculum in Music History and Literature is planned for those who intend ultimately to teach musicology on the college level, or for those who desire careers in music librarianship, music journalism, music publishing, or the recording industry—fields in which a wide and comprehensive knowledge of music history and literature is essential.

The student in music history and literature will recieve a strong foundation not only in his chosen field but also in theory and in academic subjects which will enrich the student's cultural background.

Participation in **Collegium Musicum** is strongly recommended for music history and literature majors.

Students desiring an emphasis in Music History and Literature must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN MUSIC.

MUS 321 or 322, 351, 401, 431, 433, 434, 435, 436, 437, 439
Foreign Language, Music Theory Elective
Other electives to bring the total to 53 hours.

Requirements for an Emphasis in Music Theory-Composition

This emphasis is designed to prepare the student for teaching theory and composition, writing and arranging music of serious intent, and writing music and arranging of a commercial nature. Various steps in the preparation of music from the preliminary sketch to the published composition are included. The student will become familiar with the Music-writer, Vari-Typer, diazo-printing, offset-printing, copyright law, and the sale, distribution, and promotion of published music.

Students desiring an emphasis in Music Theory-Composition must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN MUSIC.

MUS 321, 322, 401
MED 321, 322, 323, 427
Foreign Language
Music Theory Elective
Music History Elective
APM 191, 291, 292, 293, 391, 392, 393, 491, 492
APM Elective
Other electives to bring the total to 53 hours.

Requirements for an Emphasis in Voice

Students desiring an emphasis in Voice must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN MUSIC.

MUS 321 or 322, 401, 439, 440, 441, 459
Foreign Language, Theory Elective
THE 341, 342, 343, 447, 448, 449
MED 450, 451
APM 470
APM Voice (161, 162, 163, 261, 262, 263, 361, 362, 363, 461, 462)
Other electives to bring the total to 53 hours.

Requirements for an Emphasis in Piano

Students desiring an emphasis in Piano must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN MUSIC.

MUS 322, 401, 442, 443
MED 301, 452, 453
APM 202, 203, 301, 302, 303, 401, 402
APM 370, 371, 372, 375, 376, 377, 470, 475, 476
Other electives to bring the total to 53 hours.

Requirements for an Emphasis in Strings

Students desiring an emphasis in Strings must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN MUSIC.

MUS 321, 322, 401, 451, Theory Elective
MED 301, 321, 322, 323, 427, 456, 457
Major String Instrument
APM 370, 371, 372, 373, 470, 471, 472
Other electives to bring the total to 53 hours.

Requirements for an Emphasis in Wind Instruments

Students desiring an emphasis in Winds must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN MUSIC.

MUS 321, 322, 401, 446, 447, Theory Elective
MED 301, 321, 322, 323, 458, 459
APM 370, 371, 372, 470, 471
Major Wind Instrument
Other electives to bring the total to 53 hours.

Requirements for an Emphasis in Organ

Students desiring an emphasis in Organ must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN MUSIC.

Mus 321, 322, 323, 401, 444, 445, 462, 459
MED 301, 424, 454, 455
Foreign Language
APM 111, 112, 113, 211, 212, 213, 311, 312, 313
APM 370, 371, 372, 373, 411, 412, 470
Other electives to bring the total to 53 hours.

Requirements for an Emphasis in Percussion

Students desiring an emphasis in Percussion must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN MUSIC.

MUS 321, 322, 401, Theory Elective
MUS 446, 447
MED 301, 321, 322, 323, 458, 459
APM 156, 157, 158, 256, 257, 258, 356, 357, 358, 370,371, 372, 373, 456, 457, 470, 471, 472
Other electives to bring the total to 53 hours.

COMMON REQUIREMENTS FOR A MAJOR IN MUSIC EDUCATION

(Bachelor of Music Education—BME)

Students pursuing a major in Music Education must complete the following requirements.

	Hours
University Core	29
Certification Requirements	36
HSE 101, EPY 374, 372, or 370, PA 111, FS 106, 107, ENG 200, 201, or 202, CIS 313, 493.	
Music Department Core	45

The curricula in music education are designed to prepare musicians who will teach in the public or private schools, or teach privately. The emphasis listed below are designed to provide a balance between music performance, music pedagogy, and general education. These curricula are fully certified by the NASM, NCATE, SASC, and they satisfy teacher certification requirements.

Certain forms and one major examination are required for completion of all degrees in Music Education. A timetable for the students' completion of these forms is given below.

1. At the beginning of the junior year, the **Program Plan-Teaching** Form is to be completed (see Teacher Education Program for specific instructions.)
2. Six months in advance of the student teaching semester, the Application for Student Teaching is due (see Teacher Education Program for specific instructions). Students should contact the Music Education supervisor of student teachers at the beginning of their junior year regarding practice teaching assignments.
3. At least two semesters before degree requirements are completed, the **Application for Degree** must be filed (see Teacher Education Program for specific instructions).
4. During the senior year the National Teacher Examinations (NTE) should be taken.

Guidelines for completing the above-mentioned forms and examinations may be obtained at the chairman's office.

Requirements for an Emphasis in Elementary Music Education

Students desiring an emphasis in Elementary Music Education must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN MUSIC EDUCATION.

	Hours
MED 311, 312, 321, 322, 323, 411, 440, 450, 456	
APM 101, 102, 103, 201, 202, 203, 301, 302	
THE 341, 459	
Major Applied	43

Requirements for an Emphasis in Instrumental Music Education

Students desiring an emphasis in Instrumental Music Education must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN MUSIC EDUCATION.

	Hours
MED 221, 222, 301, 311, 312, 412, 421, 422, 425, 426, 427, 428	
MUS 401	
APM 101, 102, 103, 104, minor instrument(s)	
Major Applied Instrument	39

Requirements for an Emphasis in Keyboard Music Education

Students desiring an emphasis in Keyboard Music Education must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN MUSIC EDUCATION.

	Hours
MUS 401	
MED 311, 312, 321, 322, 323, 411, 450	
APM 202, 203, 301, 302, 303, 401, 402	
APM 161, 162, 163, 261, 262, 263, 361, 362	
THE 341, 459	46

Requirements for Emphasis in Vocal Music Education

Students desiring an emphasis in Vocal Music Education must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN MUSIC EDUCATION.

Hours

MUS 401
MED 311, 312, 321, 322, 323, 411, 450
APM 161, 162, 163, 261, 262, 263, 361, 362, 363, 461, 462
APM 202, 203, 301, 302
THE 341, 459 41

DEPARTMENT OF THEATRE ARTS (THE—685)

I. Blaine Quarnstrom, Chairman

Amacker, Atherton, G. Crook, Faust, Hartwig, R. B. Hill, Mullican

The Department of Theatre Arts offers degree programs in theatre and dance. Both programs lead to the Bachelor of Fine Arts degree.

The dance major program is the only one offered in the State of Mississippi and the only one offered in a College of Fine Arts. The theatre program is also the only one in the state offered in a fine arts college. Both programs provide the student with sound theory and intensive practical training and, in addition, opportunities for extensive performance experiences and exposure to visiting professional artists.

For information concerning Master of Arts and Master of Fine Arts degrees consult the Graduate Bulletin.

REQUIREMENTS FOR A MAJOR IN THEATRE

Students seeking the Bachelor of Fine Arts degree in Theatre must complete the following:

Hours

1. General Core 32
2. Basic Theatre Core* 54
3. Twenty-one hours of free electives 21
4. A minimum of three courses from three of the following groups 27
   A. THE 140, 310, 411, 414, 492
   B. THE 125, 150, 240, 250, 259, 361, 492
   C. THE 301, 420, 459, 480, 415, 492
   D. THE 401, 435, 445, 460, 461, 492
   E. THE 416, ENG 417, 454, 455, 472

Requirements for an Emphasis in Teacher Certification

The theatre major desiring Teacher Certification must complete the following:

Hours

1. General Core 32
2. Basic Theatre Core* 54
3. A. Speech course electives 15
   (or)
   B. English courses** 21

   15 or 21
4. Education Requirements: REF 300, 469, CIS 454 or 459, 484 or 489, 313, EPY 372, 374 24

*THE 103, 111, 120, 125, 200, 201, 204, 253, 306, 320, 412, 427, 428, 429, PA 210, 330, 331, 332.

**English Certification Requirement: Public Address 111 plus 21 hours of English beyond 101 and 102 including one course from each of the following: American literature, English literature, Shakespeare, advanced grammar.

REQUIREMENTS FOR A MINOR IN THEATRE

Students pursuing a minor in theatre must complete the following twenty-one (21) semester hours of theatre courses:

THE 103, 120, 200, 320, plus nine (9) hours of theatre electives.

REQUIREMENTS FOR A MAJOR IN DANCE

Students seeking the Bachelor of Fine Arts degree in dance must complete the following:

	Hours
1. General Core (must include BIO 220, 221; two (2) hours of physical education not required)	30
2. Dance courses: THE 152 (9 hrs.), 252 (9 hrs.), 253, 258 (9 hrs.), 259, 350, 351, 352 (9 hrs.), 356, 357, 358 (9 hrs.), 359, 370, 440 (9 hrs.), 458 (9 hrs.), 465, 466, 467, 468, 470, dance electives	104
3. Additional courses: THE 111, 120, 401, 412, 354 (5 hrs.), MUS 365, PED 301	23

REQUIREMENTS FOR A MINOR IN DANCE

Students pursuing a minor in dance must complete the following twenty-seven (27) semester hours of courses:

THE 252, 253, 259, 357, 370 plus nine (9) hours of Modern Dance Technique (major level), and five (5) hours of major level dance electives.

SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

ACADEMIC OFFERINGS

Department	Major	Emphasis	Degree**
Athletic Administration and Coaching	Athletic Administration and Coaching*	Teaching and Coaching Non-Teaching	BS
Health and Safety Education	Health Education*	Community Health Education School Health Education	BS
Physical Education	Physical Education*	Professional Physical Education Teacher Certification	BS
Recreation	Recreation*	Community and Municipal Recreation Recreation Planning and Resource Management Therapeutic Recreation, Non-Certification Therapeutic Recreation, Teaching Certification Leisure Studies	BS

*Indicates that a minor is available.
**Degree abbreviation: (BS) Bachelor of Science

SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

Walter E. Cooper, Dean

PURPOSE

The primary purpose of the School of Health, Physical Education, and Recreation is to educate future leaders in the fields of athletic administration and coaching, health, physical education, and recreation. Also of equal importance is the coordination of the physical education activity course program which services the entire University and a comprehensive recreational services program which includes all intramural activities, extramural sports clubs, and the recreational equipment loan service.

ORGANIZATION

The Dean's Office in the School is the major administrative component. This office includes the Dean, Graduate Coordinator, and an undergraduate coordinator-assistant. There are five departments: Athletic Administration and Coaching; Health and Safety Education; Physical Education; Recreation; and Intra-Mural-Recreational Sports.

Each department has a chairman and the various programs and/or projects within departments have coordinators or directors. These departments offer the Bachelor of Science degree in the respective majors and coordinate teaching certification through the College of Education and Psychology. Career non-teaching programs are also available within each department.

Consult the Graduate Bulletin for graduate program information.

REQUIREMENTS

Any student who satisfies admission requirements to the University through the Office of Admissions is eligible for admission to the School of Health, Physical Education, and Recreation. Admission to the School, however, does not constitute admission to a major program. Major program admission is completed when a completed program plan is on file in the Dean's Office, School of Health, Physical Education, and Recreation.

COMMON REQUIREMENTS FOR A MAJOR IN SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

The following School of HPER Core satisfies the requirements of the University General Core Curriculum and is required of all students majoring within the School.

	Hours
ENG 101, 102 and two other English courses 200 level or above	12
HIS 101 and 102, or 140 and 141	6
Social Sciences	6
Elect two courses from the following for 6 hours: anthropology, economics, geography, political science, and sociology.	
Science	12
Biological Science—6 hours	
Physical Science—6 hours	
(The Fundamentals of Science series satisfies this requirement)	
Mathematics	3
PSY 110	3
Humanities and Fine Arts	3
Elect one course from the following for 3 hours: literature, fine arts*, religion, foreign language, philosophy.	

*Students seeking teaching certification are required to take this elective in the fine arts area.

PA 111	3
HSE 101, 311	6
Physical Education (activity)**	3
	57

**The physical education activity requirement may be satisfied by successfully completing the following options: ROTC/AFROTCI, varsity athletics, Marching Band, Dixie Darlings, cheerleaders, or Pom-Pon Girls.

Departments also have additional specific course requirements which must be completed. In order to qualify for a degree within the School of Health, Physical Education, and Recreation, students must complete all requirements in the program of their choice as specified in this catalog and outlined in their approved program plan.

Teaching Certification

Students desiring teaching certification must also file a program plan with the College of Education and Psychology.

Academic Suspensions

Students must maintain the academic standards, as stipulated in the Academic Requirements section of this Bulletin, to assure readmission quarterly. Academic suspension requires the dean's approval prior to readmission.

Waiver or Substitution of Major Requirements

Any waiver or substitution of major requirements must be approved by the appropriate department chairman and the Dean of the School.

DEPARTMENT OF ATHLETIC ADMINISTRATION AND COACHING (AAC—710)

M.C. Johnson, Chairman

M. Bell, J.R. Carpenter, Gallaspy, Giles, R. Grantham, Gray,

E.L. Harrington, James, Ladner, C.J. Taylor

The Department of Athletic Administration and Coaching offers a major in Athletic Administration and Coaching leading to the Bachelor of Science degree; a minor program; and specialization programs in aquatics, athletic training, minor sports, and officiating competitive athletics.

The objectives of the Department of Athletic Administration and Coaching are as follows:

1. To prepare athletic administrators and coaches for careers in the total educational environment.
2. To prepare students majoring in athletic administration and coaching for non-teaching careers.
3. To provide a minor in athletic administration and coaching for students majoring in other academic disciplines.
4. To provide each student the opportunity to specialize for certification in the areas of aquatics athletic training, minor sports, and officiating competitive sports.

PROFESSIONAL DEGREE (TEACHING AND COACHING)

The purpose of this program is to provide professional training for teachers who will administer and coach athletics in addition to their teaching responsibilities. Teaching certification will be in the area selected by each student in conference with his adviser. The program requires a total of thirty (30) semester hours in athletic administration and coaching. Students must also complete their professional requirements for secondary education, the general education requirements for secondary teachers, and the secondary teacher's certification program. For details concerning professional requirements for

secondary teachers, consult the College of Education and Psychology section in the catalog.

Requirements for an Emphasis in Teaching and Coaching

Required courses: AAC 303, 370, 409; elect six (6) hours from AAC 300, 420, 470, or 471.

Four (4) hours taken from the following courses may be used to satisfy partially the thirty (30) semester hour athletic administration and coaching requirements for the professional (teaching and coaching) degree.

AAC 210, 211, 212, 213, 214, 215.

Electives: Select from the Department of Athletic Administration and Coaching courses to complete thirty (30) semester hours.

PROFESSIONAL DEGREE (NON-TEACHING)

The purpose of this program is to provide professional training for students desiring careers in non-teaching areas. Those students pursuing the Non-Teaching Emphasis shall not be required to take the professional teacher education requirements. These additional hours should be used further to enhance competencies in the students' chosen careers. The program requires thirty (30) semester hours in athletic administration and coaching.

Requirements for the Non-Teaching Emphasis

Required courses: AAC 303, 370, 409; elect six (6) hours from AAC 300, 420, 470, or 471.

Electives: Select from athletic administration and coaching courses to complete thirty (30) semester hours.

Four (4) hours taken from the following courses may be used to satisfy partially the thirty (30) semester hour athletic administration and coaching requirements for the professional (teaching and coaching) and professional (non-teaching) emphases.

AAC 210, 211, 212, 213, 214, and 215.

Electives may be selected in order to complete a total of 128 semester hours.

REQUIREMENTS FOR A MINOR

The purpose of this program is to provide professional training for those students majoring in other academic disciplines. The program requires a total of eighteen (18) semester hours in athletic administration and coaching.

Required courses: AAC 303, 471, 409; elect three (3) hours from AAC 300, 370, 420, or 470.

Electives: Select from athletic administration and coaching courses to complete eighteen (18) hours.

SPECIALIZATION AREAS

In addition to the professional program (teaching and coaching), the professional program (non-teaching), and the minor program offered by the Department of Athletic Administration and Coaching, specialization areas are available to each student enrolled in the University. The areas of specialization are as follows:

Aquatics

The purpose of this program is to prepare students to meet American National Red Cross Water Safety Certification Requirements and the requirements as prescribed by the University of Southern Mississippi for certification in aquatic administration.

1. The Life Saving Rescue and Water Safety Certificate. Required course: AAC 362.
2. The Water Safety Instructors (WSI) Certificate. Required courses: AAC 362 (prerequisite) and 460.

3. The Aquatic Administration Certificate. Required courses: AAC 360, 361, 362, and 460.

Athletic Training

The purpose of this program is to prepare students to meet certification requirements of the National Athletic Trainers Association.

Required courses: AAC 370, 371, 373, 409, 472, and 476; FN 360; HSE 101, 311, and 315; PED 301 and 402; PSY 110.

Minor Sports

The purpose of this program is to provide professional training for coaching in minor sports.

Required courses: AAC 340, 341, and 424; elect two (2) hours from AAC 322 or 323.

Officiating

The purpose of this program is to provide professional training in officiating competitive athletics. Required courses: AAC 240, 420, and 425.

ACTIVITY COURSES

The following courses may be taken to satisfy the University core physical education activity requirement.

AAC 210, 211, 212, 213, 214, 215, 362, and 460.

DEPARTMENT OF HEALTH AND SAFETY EDUCATION (HSE—715)

S. Eugene Barnes, Acting Chairman

M. Brown, Carlson, W.L. Carr

Switzer, Tatman, Webb, Yarrow

Health education is an applied science which seeks to bridge the gap between the findings of health-related research and the application of the findings to the daily lives to those who engage its services. Its functions are based on scientific principles and its processess employ intellectual, psychological, and social dimensions as it attempts to increase the abilities of people to make informed decisions about matters which affect personal, family and community well-being.

The department offers the following emphasis areas within the Health Education major.

Requirements for an Emphasis in Community Health Education

This program of studies is designed to prepare students for professional careers in health education positions in volunteer health agencies, special categorical health education programs, private agencies and industries, public health departments, and other governmental agencies and programs. The program requires study in foundations of health science, health education content areas, community organizations and community groups, educational theory and methodology, and communications. Specific program requirements include: the School of HPER Core Curriculum; HSE 210, 315, 321, 411, 412, 414, 420, 421, 422, 423, 430, 435, 492; and, electives according to the student's career interest and of sufficient number to complete a minimum degree requirement of 128 hours of course work (a total of 44 semester hours of electives is suggested for this program).

Requirements for an Emphasis in School Health Education

This program of studies is designed to provide students with a major concentration of studies in health education as they pursue course work leading to teacher certification in health and physical education. (Note: Teacher certification regulations in Mississippi require dual certification in health and physical education.) The program requires study in foundations of health science, health education content areas, educational theory and methodology, and physical education. Specific program requirements include: the School of HPER Core Curriculum; HSE 210, 315, 411, 414, 415, 420, 422, or 423, 435; PED 220, 323 or 324, 401, 402, 420; and, requirements for the minor in secondary education. The minimum total course work requirement for this emphasis is 128 semester hours.

The department offers the following certificates for the American National Red Cross.

First Aid

A student who successfully completes HSE 310 (First Aid) will receive the American National Red Cross certificates for:

a. Standard First Aid and Personal Safety
b. Standard Multi-Media First Aid
c. Cardiopulmonary Resuscitation (optional-students who wish to receive this certificate must complete extra-class assignments)

First Aid Instructor

A student who successfully completes HSE 311 (Emergency Health Care) will receive American National Red Cross certificates for:

a. Advanced First Aid and Emergency Care
b. Standard Multi-Media First Aid
c. Instructor in Standard First Aid and Personal Safety
   Note: The following three certificates are optional and will be awarded to students who successfully complete certain specific extra-class assignments.
d. Cardiopulmonary Resuscitation
e. Instructor in Standard Multi-Media First Aid
f. Instructor in Cardiopulmonary Resuscitation

SAFETY AND DRIVER EDUCATION

The Department of Health and Safety Education provides course work leading to certification in safety and driver education.

A student who successfully completes the following course work will meet the teacher certification requirements to teach safety and driver education courses in secondary schools:

HSE 341, 440, 443 and three (3) semester hours from the following courses: HSE 311, 441, 442, 444; CJ 200, 305; and AAC 370.

DEPARTMENT OF PHYSICAL EDUCATION (PED—730)

J. William Larson, Chairman

Babin, K. Bell, Buschner, Cooper, Coster,

Cracraft, P. Green, Marciani, Milam, J. Puckett,

Slay, Townley

The Department of Physical Education administers three educational programs designed to meet the following objectives:

1. To prepare physical educators for careers of their choice other than teaching.
2. To prepare physical educators for teaching careers as elementary specialists, secondary specialists, or as corrective therapists.
3. To provide opportunities for the entire University community to develop skills for leisure time usage.

Requirements for an Emphasis in Professional Physical Education

This program is designed to train physical educators in careers which do not require teacher certification. In addition to completing successfully the School's Core requirement, there are thirty (30) semester hours required in the major fields area: twenty-seven (27) in physical education, and three (3) in health.

Specialization requirements are: PED 146, 147, 148, 301, 303, 314, 323, 326, 402, 404, 451; HSE 315.

With the aid of the adviser other concentrations, such as aquatics, driver's education, team-sports, corrective therapy, special education, recreation, etc., or isolated courses may be elected to complete 128 hours.

Requirements for an Emphasis in Professional Physical Education with Teacher Certification

The purpose of this program is to train future physical educators for public and private schools. In addition to the specialized emphases listed below, the student must successfully complete the School of HPER General Educational requirements and the professional requirements in secondary education. For details concerning the professional education requirements for teachers, consult the College of Education and Psychology section of this catalog.

Specialization requirements are:

Common Requirements: PED 146, 147, 148, 301, 303, 320, 323, 401, 402, 420; HSE 315, plus 6 hours electives

Specialities: (select one)

A. Elementary: PED 284, 321, plus 3 hours physical education electives.
B. Secondary: PED 314, 326, plus 3 hours physical education electives.
C. Handicapped: PED 410, 411, plus 3 hours physical education electives.
D. Corrective Therapy: same as Handicapped plus the following:
   Psychology: Elect 9 hours from 231, 436, 450, 455; THY 411, 454

Upon completion of the on-campus requirements, two semesters of work are required at the Veteran's Administration Center, in Biloxi, Mississippi. With the successful completion of the National CTA examination, the student will be certified as a corrective therapist.

Therapy Courses (THY): 421, 422, 431, 432, 433, 434, 441, 442, 443, 444

REQUIREMENTS FOR A MINOR IN PHYSICAL EDUCATION

PED 146, 147, 148, 301, 303, 323, 402,
plus 3 hours of physical education electives.

The University Physical Education Service Program

This program is designed to contribute to the general education of all students. In the 100-level activity courses students learn the basic skills of life-time sports and fitness which may be applied in the intramural program or during other times of leisure. The upper level service courses are designed to provide in-depth skill development in a particular area of interest.

Courses which may be substituted for the two (2) course physical education core requirement are AAC 210, 211, 212, 213, 214, 215, 362, or 460; REC 180, 182, 183, 184, 185, or 186.

DEPARTMENT OF RECREATION (REC—735)

L. Charles Burchell, Chairman

B. Brechtel, Brown, P. Jones, Rindfleisch, White

The Department of Recreation offers programs in four areas of specialization. All programs require the completion of a series of departmental or inter-departmental courses and lead to a Bachelor of Science degree with a major in recreation and concentration in the particular specialization.

COMMON REQUIREMENTS FOR A MAJOR IN RECREATION

All students majoring in recreation will be required to complete a series of basic recreation courses. The required courses are: REC 200, 203, 210, 211, 212, 322, 323, 402, and 403.

Requirements for an Emphasis in Community and Municipal Recreation

This program provides a curriculum for students interested in career work as administrators, supervisors, or leaders with city and county recreation departments and youth-service organizations.

Courses required are: REC 413, 415, 422, 424, 426, 434, and 443.

Other required courses are: REC and/or PED activities, ACC 201, SOC 310, MGT 364, PS 402, and BED 460.

Electives may be selected in order to complete a total 128 hours.

Requirements for an Emphasis in Recreation Planning and Resources Management

This program provides a curriculum with concentration in the planning and management aspects of parks and recreation. It has been designed for students who desire career recreational planning and/or management specialities. Such specialists work as park and recreation planners, park managers, park rangers, and interpretors.

Courses required are: REC 342, 415, 417, 432, 434, 436, 441, 443, and 447.

Other required courses for Recreation Planning Option are: REC and/or PED activities, ACT 358, BED 460, GHY 210, 360, 361.

Other required courses for Resources Management Option are: REC and/or PED activities, GHY 370, and 473, MGT 364, BED 460, CJ 300.

Electives may be selected in order to complete a total of 128 hours.

Requirements for an Emphasis in Therapeutic Recreation, Noncertification

This program provides a curriculum for students interested in working as recreational therapists in hospitals, mental and corrective institutions, rehabilitative centers, retirement villages, or in special education centers.

Courses required are: REC 341, 342, 350, 410, 411, 412, 424, 451, and 452.

Other required courses are: REC and/or PED activities, PED 361, 380, and SPE 400, 425, 428, and 440.

Electives may be selected in order to complete a total of 128 hours.

Requirements for an Emphasis in Therapeutic Recreation, Teaching Certification

This program provides a curriculum for students who desire certification in teacher education and special education. These students will be prepared for teaching assignments in special education in public schools as well as therapeutic recreation in hospitals and institutions.

Courses required are: REC 341, 350, 410, 411, 412, 424, 451, and 452; PED 401, 404; CIE 306, 309, 311 or 312, 343; REF 300; EPY 370, 374; SPE 200, 201, 202, 400, 401, 402, 403, 411, two SPE electives (6 hours) for state certification; and nine (9) hours for student teaching.

Requirements for an Emphasis in Leisure Studies

This option is designed for students who wish to pursue a general recreation education with emphasis in the areas of contemporary leisure values and philosophies. Students in this program may not be required to complete the recreational fieldwork requirement, REC 403, but may option additional course work.

Courses required are: REC 341, 342, 424, 432, 443, and 447.

Other required courses are: REC and/or PED activities, PHI 151, MUS 165, ARE 207, PSY 231, HSE 422, 430, and HIS 441.

Electives may be selected in order to complete a total of 128 hours.

DEPARTMENT OF INTRAMURAL AND RECREATIONAL SPORTS

Louis Marciani, Chairman

P. Green

The Department of Intramural and Recreational Sports in the School of Health, Physical Education, and Recreation provides the University population with a wide variety of leisure time activities.

The competitive intramural sports program offers over forty sports featuring team, dual, and individual competition. The program consists of the traditional flag football, basketball, and softball, to Co-Rec innertube water-polo, frisbee, and tube basketball. The program is open to all male and female undergraduates and graduate students, faculty, and staff in residence halls, fraternities, sororities, and off-campus housing.

Numerous sports clubs are organized under the direction of this department. These clubs provide a program of instruction, recreation and/or competition. Some of the most popular clubs are Judo, Karate, Soccer and Women's Volleyball and Softball.

Informal recreation offers members of the University community varied opportunities to participate in self-directional recreational activities. The staff assists individuals in meeting their leisure needs and interests, whether it be a quick swim at the Natatorium, a racquetball game, or a pickup badminton game.

A new dimension to the overall leisure needs provides opportunities for individuals to participate in a wide variety of outdoor recreational activities. An outdoor recreational rental center has been added offering such equipment as sleeping bags, canoes, and tents. In addition, several trips and seminars are planned for the coming year.

SCHOOL OF HOME ECONOMICS
ACADEMIC OFFERINGS

Department	Major	Emphasis	Degree**
Environmental Design	Clothing and Textiles*		BS
	Clothing Merchandising*		BS
	Interior Design*		BS
Family Life Services	Child Development*		BS
	Home Economics in Equipment*		BS
	Marriage and Family Living*		BS
Home Economics	Home Economics Education*		BS
Institution Administration	Dietetics	Coordinated Undergraduate Program	BS
		Traditional Program	
	Food and Nutrition*		BS
	Hotel and Restaurant Administration*		BS
	Institution Management*		BS
	(School Lunch Managers)***		T
	(Child Care Center Directors)***		T

*Indicates that a minor is available.
**Degree abbreviations: (BS) Bachelor of Science, (T) two-year certificate.
***Programs which lead to a two-year certificate.

SCHOOL OF HOME ECONOMICS

Sarah L. Weaver Gibbs, Dean

PURPOSE

The curricula in the School of Home Economics are planned to place major emphasis on careers and on improving family life. Students are prepared to assume responsibilities in areas related to the various aspects of living concerned with the environment of the individual, the family, and the community.

ORGANIZATION

The School of Home Economics is divided into four departments: Environmental Design, Family Life Services, Institution Administration, and Home Economics Education.

Students majoring in any area of Home Economics should follow the program outlined below.

CURRICULUM: SCHOOL CORE

	Hours
English	
ENG 101, 102	6
Humanities and Fine Arts	
HIS 101, 102 or 140, 141	6
ART 111 or ARE 207 (not required for coordinated undergraduate program)	3
Mathematics	
MAT 120 or 101 (210 for child development majors)	3
Other Courses	
PA 111	3
Physical Education or ROTC/AFROTC or approved substitute	2
Science (Refer to major for specific requirements)	6-7
Social Science	
PS 101, SOC 101, PSY 110	9
(Child development majors see major for specific requirements)	
Total	36 to 39

CURRICULUM MAJORS

The curriculum requirements for majors are outlined under the respective sub-titles below.

OFFERINGS FOR NON-MAJORS

Students may earn a minor in home economics by selecting nineteen (19) hours of work from the various departments. Courses may be selected for electives. Non-majors may take courses without taking the prerequisites with permission of the instructor.

DEPARTMENT OF ENVIRONMENTAL DESIGN (C&T—810) (EVD—812)

Sue Sharp, Acting Chairman

Easterling, E. Davis, A. Stamper, Shelton

Three majors are currently offered in the Department of Environmental Design. They are clothing and textiles, clothing merchandising, and interior design. The department also serves the clothing, textiles, and design needs of other majors in the School of Home Economics and provides elective courses for non-majors.

Each curriculum offers information and experiences that encourage students to develop their individual creative abilities in addition to developing strong professional ideals. Graduates find positions in the fashion industry, teaching, research, extension, communications, architects, furniture manufacturers, furniture retailers, etc.

CLOTHING AND TEXTILES

Clothing and textiles majors find positions mainly through work with textile, fabric, and pattern companies, consumer education jobs with manufacturers, and in writing for magazines, newspapers, radio, and television, depending upon the specialized preparation and interest of the individual student. An adviser helps students select background courses for specialized areas. Some students enter the teaching field.

COMMON REQUIREMENTS FOR A MAJOR IN CLOTHING AND TEXTILES

All students pursuing a major in Clothing and Textiles must complete the following requirements:

	Hours
General Core for the School of Home Economics	38
Science: CHE 101, 102	
Professional Requirements	39
CT 131, 330, 332, 333, 334, 335, 336, 430, 431, 432, 433, 434, 437	
Other Requirements	17
MFL 150 — GBA 295	
ECO 255, 256, 301 — JOU 102	

Minor Requirements:	Hours
Management Minor	24
MAT 112; MGT 360, 364, 454, 455, 464, 466, 468	
Environmental Design Minor	21
ART 101, 112; EVD 240, 241, 331 or 332, 340; HHM 339	

Electives to complete the 128 semester hour degree requirements.

REQUIREMENTS FOR A MINOR IN CLOTHING AND TEXTILES

All students pursuing a minor in this area must complete twenty-one (21) semester hours of Clothing and Textiles courses. Suggested courses to meet this requirement are as follows:

	Hours
CT 131, 330, 332, 333, 335, 336 or 431, 433	21

CLOTHING MERCHANDISING

The clothing merchandising curriculum provides basic courses in clothing, textiles, economics, business, marketing, and field experience. With this background, graduates are prepared to move into executive training programs offered by large department stores throughout the country. Such training programs lead into positions as buyers, training supervisors, fashion coordinators, comparison shoppers, radio and television script writers, and numerous jobs involving some aspect of retailing.

COMMON REQUIREMENTS FOR A MAJOR IN CLOTHING MERCHANDISING

All students pursuing a major in Clothing Merchandising must complete the following requirements:

	Hours
General Core for the School of Home Economics	38
Science: FS or BIO (6 hours)	
Professional Requirements	36
CT 131, 221, 328, 330, 332, 333, 335, 337, 435, 436, 437, 439	
Other Requirements	20
MFL 150	JOU 102
PSY 251	ACC 201
ECO 255, 256	MGT 360

	Hours
Marketing Minor Requirements	24
MKT 300, 330, 342, 442	
Plus four (4) of the following courses: MKT 335, 365; MGT 364, 454; FIN 320	

Electives to complete the 128 semester hour degree requirements.

REQUIREMENTS FOR A MINOR IN CLOTHING MERCHANDISING

All students pursuing a minor in this area must complete twenty-six (26) semester hours. Suggested courses to meet this requirement are as follows:

	Hours
CT 131, 328, 330, 435, 436, 437	17
MKT 300, 330, 342	9

INTERIOR DESIGN

The interior design program is for the student planning a professional career designing interior spaces within the human environment. It is an interdisciplinary approach derived from the professional needs and responsibilities of the interior designer. The curriculum contains courses in applied design (EVD) as well as related disciplines.

Career opportunities exist in the following areas: architectural and industrial designing firms, department and furniture stores, furniture and textile manufacturing companies, hotel and restaurant chains, antique dealers, self-employment, etc.

COMMON REQUIREMENTS FOR A MAJOR IN INTERIOR DESIGN

All students pursuing a major in Interior Design must complete the following requirements:

	Hours
General Core for the School of Home Economics	38
Science: FS	ART: 111
Professional Requirements	68
EVD 140, 240, 241, 331, 332, 340, 342, 440, 441, 442	ACT 351
CT 330, 434	MFL 150
HHM 339, 341, 342, 343	MKT 330, 342, 365

	Hours
Art Minor Requirements	21
ART 101, 102, 103, 112, 301, 334, 335	

Electives to complete the 128 semester hour degree requirements.

REQUIREMENTS FOR A MINOR IN INTERIOR DESIGN

All students pursuing a minor in this area must complete thirty (30) semester hours of interdisciplinary courses. Suggested courses to meet this requirement are as follows:

EVD 240, 241, 340 or 342	ACT 348
ART 101, 111, 112	HHM 339, 341
	CT 330

DEPARTMENT OF FAMILY LIFE SERVICES
(CD—805) (HHM—825) (MFL—830)

Altra H. Hamman, Chairman

Chichester, Dickerson, Jack, Lancaster, Rogers, Tuggle

The Department of Family Life Services offers the Bachelor of Science degree in child development with Nursery-Kindergarten Teacher Certification; home economics in equipment; and marriage and family living. A two-year course in child development which leads to a certificate is offered for Child Care Center directors and teachers.

NURSERY SCHOOL

The University Nursery School was established in 1929 as a unit within the School of Home Economics to provide a laboratory in which students might observe the development and relationships of a group of normal, healthy, young children and participate in directing the various nursery school activities. The school accommodates children between the ages of three and five years. It operates on a half-day schedule from 8:30 to 11:45 in the morning, five days a week, throughout the year.

The daily program is planned to create an environment rich in possibilities for developing the child's mental, physical, and social self as well as attaining a greater degree of emotional maturity. The enrollment is made up of an equal number of boys and girls in the various age groups from town, faculty, and student families.

The Nursery School, which was the first to be established in Mississippi, is located on the first floor of the Home Economics Building. It has ample space indoors and a large porch and fenced-in play area outdoors. In both space and equipment it meets high standards. The climate permits outdoor play the year round. Requests for registration must be filed with the Director of the Nursery School well in advanoe of the time the child is to be enrolled. Any child who meets the age and development requirements may qualify.

INFANT DEVELOPMENT CENTER

The Infant Development Center, the newest child development laboratory, provides learning experiences in observation and participation with children less than three years of age. Students are able to observe and to work with two-year-olds in a morning play group and to care for infants who are given all day care. This Center increases the opportunities for home economics majors to observe, study, and participate with children from babyhood through preschool years. The child development program enriches the home economics major by providing learning experiences that develop competencies in understanding infants and young children.

CHILD DEVELOPMENT

COMMON REQUIREMENTS FOR A MAJOR IN CHILD DEVELOPMENT

All students pursuing a major in Child Development must complete the following requirements:

	Hours
General Core for the School of Home Economics	38
Science: FS 131, 132	
Professional Requirements	25
CD 350, 351, 450, 451, 452, 452, 454, 455	
Other Requirements	62

ARE 309	FS 133, 134
CIE 306 or 307, 403, 301 or SCE 432	HHM 345, 442, 443
ENG (2 courses above 200 level)	HSE 101, 310
EPY 370	MAT 310
FN 163, 261, 363	MED 361
	MFL 150, 351

Electives to complete the 128 semester hour degree requirements.

REQUIREMENTS FOR A MINOR IN CHILD DEVELOPMENT

All students pursuing a minor in this area must complete eighteen (18) semester hours in Child Development. Suggested courses to meet this requirement are as follows:

	Hours
CD 350, 351, 450, 451, 452, 453	18

TWO-YEAR CERTIFICATE COURSE IN CHILD DEVELOPMENT

	Hours
General Education	26

Hours		Hours
ENG 101, 102	6	SOC 101	3
PA 111	3	HSE 101, 310	5
PSY 101, EPY 370	6	SCE 432	3

	Hours
Home Economics	18
CD 350, 351, 359 I, II, III, 450, 451, 452, 453, 454, 455 (choice)	15
FN 363	3
Recommended Electives	20

CIE 309, 311, 317, 414, REF 300	MFL 150, 351
ARE 207, 309	SHS 211, 401
MAT 210, 310	SPE 400, 402, 411
MED 150, 351	PED 320, 450

Total	64

HOUSING AND HOME MANAGEMENT (HHM)—825)

The increasing opportunities for home economists in business with utility companies and manufacturers of equipment for the home have created many positions for those with the necessary educational background. The major, home economics in equipment, is designed for those preparing for such careers.

HOME ECONOMICS IN EQUIPMENT

COMMON REQUIREMENTS FOR A MAJOR IN HOME ECONOMICS IN EQUIPMENT

All students pursuing a major in Home economics in Equipment must complete the following requirements:

	Hours
General Core for the School of Home Economics	39
Science: BIO 101, MIC 261	
Professional Requirements	75

CD 350	MFL 150, 351
CT 131, 332, 330 or 334, 431	MKT 330
FN 163, 261, 362, 370, 430	PA 210
HHM 345, 401, 441, 442, 443	RTF 271
HEE 301, 302, 402	

Electives to complete the 128 semester hour degree requirements.

MARRIAGE AND FAMILY LIFE (M&FL—830)

Marriage today is becoming widely recognized as the most important vocation for which young people can prepare.

The objectives of the marriage and family life curriculum are two-fold: first, to assist college students to grow into intelligent, effective, and satisfying family members in their own homes; and second, to prepare them for a career of service in working with families, youth, and the elderly.

MARRIAGE AND FAMILY LIVING

COMMON REQUIREMENTS FOR A MAJOR IN MARRIAGE AND FAMILY LIVING

All students pursuing a major in Marriage and Family Living must complete the following requirements:

	Hours
General Core for the School of Home Economics	39
Science: BIO 101, MIC 261	
Professional Requirements	60

CD 350, 451	HEE 302
EPY 371, 372	HHM 340
FIN 320	HTH 310, 422, 430
FN 163, 261, 360	PSY 455
	SOC 314, 450

	Hours
Other Requirements	15
Five (5) courses from Home Economics, SOC, HSE, PSY	
Electives to complete the 128 semester hour degree requirements.	

DEPARTMENT OF INSTITUTION ADMINISTRATION (IAD—817)

(FOOD AND NUTRITION— FN 815)

(HOTEL AND RESTAURANT ADMINISTRATION—HRA 818)

Margaret McCarthy, Chairman

Gibbs, M. Landry, Reeves, Rompf, Wilgus

This area provides courses in foods, nutrition, institution administration, dietetics, and hotel and restaurant administration for undergraduate and graduate students. Some of the basic courses may be elected by non-majors from other schools of the University or by those selecting minors in food and nutrition or institution management.

Students selecting institution administration as a major can prepare for positions in public health, extension, research, journalism, commercial organizations, dietitians in hospitals, government services, clinics or consultants in restaurants, hotels, motels, country clubs, school food service, industry, and related fields depending upon their minor.

The Coordinated Undergraduate Program includes experience in the last two years of the program. Upon completion of degree, the student is eligible to take the registration examination for registered dietitians.

Institution management-dietetics curriculum meets the academic requirements for membership in the American Dietetic Association and qualifies the student for an internship approved by the association. Institution management and food and nutrition curriculums may also lead to meeting academic requirements in the American Dietetic Association.

Hotel and Restaurant Administration curriculum prepares students for positions in the travel and hospitality industry, college and university food service, clubs and in related businesses.

A two-year certificate course is available for school lunch managers. The School of Home Economics in cooperation with the State Department of Education sponsors an annual School Lunch Managers Workshop.

CHARCOAL ROOM

The Charcoal Room is a modern academic laboratory for institution management majors. The Charcoal Room is in the University Commons which is centrally located on the campus.

The facility provides good food of high quality in attractive surroundings for congenial association of faculty members, staff, and graduate students with their colleagues, guests, and families. It also offers an excellent stimulating experience and training center for institution management majors under the guidance of the institution management faculty.

DIETETICS

Suggested minors are: for food and nutrition majors—chemistry or journalism; for institution management-dietetics majors—chemistry, general science, or health; and for institution management majors—chemistry, marketing, accounting, biology, economics, art, or management.

COMMON REQUIREMENTS FOR A MAJOR IN DIETETICS

All students pursuing a major in Dietetics must complete the following requirements:

	Hours
General Core for the School of Home Economics	
Coordinated Undergraduate Program	36
Traditional Program	39
Science: BIO 101, MIC 261	
Professional Requirements	51

ACC 201	ENG 332
BIO 220, 221, 222	FN 163, 261, 430, 460
CHE 101, 251, 252, 321	HEE 301
ECO 255, 301	MGT 360

COORDINATED UNDERGRADUATE PROGRAM

Students accepted into the Coordinated Undergraduate Program must take the following additional courses:

	Hours
Other Requirements	55
FN 260, 265, 365, 463, 464, 465, 466, 492	
IAD 473, 475	
Total	142

TRADITIONAL PROGRAM

Students in the traditional dietetic program must take the following courses in addition to the general school core and the professional requirements for dietetics majors:

	Hours
Other Requirements	25
FN 362, 461	
IAD 370, 470, 471, 472, 474, 476	
MGT 364	
Electives to complete the 128 semester hour degree requirements.	

INSTITUTION MANAGEMENT

COMMON REQUIREMENTS FOR A MAJOR IN INSTITUTION MANAGEMENT

All students pursuing a major in Institution Management must complete the following requirements:

	Hours
General Core for the School of Home Economics	39
Science: BIO 101, MIC 261	
Professional Requirements	52
CHE 101, 251, 252, 321	CSS 100
FN 163, 261, 362, 430, 460	HEE 301
IAD 370, 470, 471, 472, 474, 476	
	Hours
Business Minor Requirements	21
ACC 201	MGT 360, 364, 454
ECO 255	MKT330
GBA 100	

Electives to complete the 128 semester hour degree requirement.

REQUIREMENTS FOR A MINOR IN INSTITUTION MANAGEMENT

All students pursuing a minor in this area must complete twenty (20) semester hours in Food and Nutrition and Institution Administration courses. Suggested courses to meet this requirement are as follows:

	Hours
FN 163, 261, 362, 460	12
IAD 472, 476	8

FOOD AND NUTRITION

COMMON REQUIREMENTS FOR A MAJOR IN FOOD AND NUTRITION

All students pursuing a major in Food and Nutrition must complete the following requirements:

	Hours
General Core for the School of Home Economics	39
Science: BIO 101, MIC 261	
Professional Requirements	55
CD 350	HEE 301
CHE 101, 102, 251, 252, 321	HHM 345
ECO 256	HSE 101
FN 163, 261, 362, 430, 460, 461	IAD 370
	MFL 150, 351
Minor Requirements (either Chemistry or Journalism)	21

Electives to complete the 128 semester hour degree requirement.

REQUIREMENTS FOR A MINOR IN FOOD AND NUTRITION

All students pursuing a minor in this area must complete twenty (20) semester hours of Food and Nutrition and Institution Administration courses. Suggested courses to meet this requirement are as follows:

	Hours
FN 163, 261, 362, 430, 460, 461	18
IAD 370	2

HOTEL AND RESTAURANT ADMINISTRATION

COMMON REQUIREMENTS FOR A MAJOR IN HOTEL AND RESTAURANT ADMINISTRATION

All students pursuing a major in Hotel and Restaurant Administration must complete the following requirements:

	Hours
General Core for the School of Home Economics	39
Science: BIO 101, MIC 261	
ART: 100	
Professional Requirements	52
HRA 179, 475, 476, 479, 480, 481, 482	CSS 100
IAD 272, 273, 471, 472, 474, 476	FN 360

	Hours
Business Minor Requirements	24
ECO 256	MKT 355
MGT 360, 364, 370, 454	

Electives to complete the 128 semester hour degree requirements.
A minimum of 400 hours of employment in hotel, motel, or food service is required.

REQUIREMENTS FOR A MINOR IN HOTEL AND RESTAURANT ADMINISTRATION

All students pursuing a minor in this area must complete twenty-two (22) semester hours in Hotel and Restaurant Administration and Institution Administration courses. Suggested courses to meet this requirement are as follows:

	Hours
HRA 179, 475, 476, 480, 481, 482	18
IAD 472	4

TWO YEAR CERTIFICATE COURSE

A two-year schedule of courses which leads to a certificate is planned for school lunch managers. The program includes general education courses as well as those designed to add to the special preparation of the individual as a school lunch manager.

Curriculum

ENG 101, 102, 221; MAT 199; HSE 101, 310
HIS 101 or 140; PSY 110
ECO 100; FN 163, 261, 362
IAD 271, 272, 273; BIO 101 Electives for 16 hours.
Total 64

DEPARTMENT OF HOME ECONOMICS EDUCATION (HEE—820)

Mary E. Faulkinberry, Chairman

G. Bryant, Milner

The Home Economics Education curriculum includes the requirements for teacher certification as set by the Mississippi State Department of Vocational Educational and qualifies graduates to teach in secondary schools under the requirements of the Federal Vocational Acts. Graduates are prepared to take places in the professional and business communities as teachers of home economics, home service directors for utility and

manufacturing companies, home economist with the Cooperative Extension Service as well as employees in other agencies concerned with consumer and homemaking education.

COMMON REQUIREMENTS FOR A MAJOR IN HOME ECONOMICS EDUCATION

All students pursuing a major in the Home Economics Education must complete the following requirements:

	Hours
General Core for the School of Home Economics	38
Science: CHE 101, 102	
Professional Requirements	62
CD 350	HEE 111, 301, 302, 402, 403
CT 131, 330, 332, 333	HHM 340, 345, 442, 443
FN 163, 261, 362	MFL 150, 351
	Hours
Other Requirements	28
BIO 101, MIC 261	EPY 372, 374
CIS 313, REF 469	HSE 101
ENG 200, 201 or 202, 322	
Total	128

HONORS COLLEGE

Wallace G. Kay, Dean

Richard H. Bowers, Associate Director

Conklin, Koeppel, R. Moorman, Pessoney, P. Prenshaw, Tharpe,

Thrash, Ward, Zaninelli

The Honors College was established July 1, 1976, as an expansion and reorganization of the former Honors Center. The purpose of the Honors College is to provide superior students with a broadly-based, humanistic undergraduate education; to give a proper setting and perspective to their more specialized studies, and to challenge them to their best efforts. Its aim is to identify, encourage, and reward academic excellence in all fields and to serve students with widely varying academic interests, awarding degrees cum laude, magna cum laude, and summa cum laude.

To enter the College as freshmen, students compete with other applicants on the basis of five criteria; high school grades, scores on the American College Test, detailed ratings by two high school teachers and the principal or guidance counselor, a personal interview with Honors Council representatives, and an extemporaneous essay. Entrance after the first semester of the freshman year requires a minimum quality point average of 3.0 and a letter or recommendation from one college instructor.

Students are in good standing in the College as long as they maintain a 3.0 overall average. Entering freshmen have two semesters to achieve a 3.0 average; students whose averages fall below 3.0 are suspended from the College until such time as their averages again reach 3.0. Students whose averages fall below 3.0 but are above 2.9 are given one semester's probation; they may continue in the College for one semester but must raise their averages to 3.0 or be suspended following that semester.

Honors College students will not be required to fulfill the course requirements of the University Core curriculum, though its general educational purposes will certainly be met by the Honors College requirements.

Students wishing to graduate through the Honors College will normally meet the requirements listed below, though students entering the Honors College after the first semester of their freshmen year may be permitted some substitutions.

Honors Colloquium	Hours
HON 111, 112, 113, 211, 212, 213, 301, 490	22
Additional Colloquia 300 level or above	4
Foreign Lanaguages	12
Composition	
HON 121, 122, 123, 221, 222, 223	6
Art and Music	
HON 131, 132, 133, 231, 232, 233	6
Man, Science, and Society	
HON 321, 322, 323	6
Science	
HON 241, 242	6
Mathematics	3
PED, ROTC, or Band	2
Total	67

In addition to the course requirements listed above, Honors students must complete senior honor projects and pass comprehensive examinations in their major fields.

The Senior Honors Project involves two phases, the prospectus and the project itself. The prospectus must be presented nine months prior to graduation; guidelines for the prospectus may be obtained from the Honors College Office. The exact nature of the project itself is a matter for decision in discussion between the student and the proper representatives of his major department. However, certain general guidelines should be observed, as follows: the project should reflect significant individual effort which may involve library research, laboratory research, or field research. The project should conform to accepted scholarly procedure within the discipline of the major field. The project may be creative, as opposed to derivative, at the discretion of the department chairman involved and subject to

the specific approval of the Dean of the Honors College; however, a creative project must be executed within the framework of accepted scholarly procedure. That is, a student who produces a creative effort should introduce that effort by adequate discussion of the nature of the creative effort form involved, including an indication of familiarity with other examples of that form. The project must be done in the area of the student's major unless specific approval is given by the Honors Council for a project in the area of his minor. A joint project by two or more students is permissible if specifically approved by the appropriate department chairman and by the Dean of the Honors College. Any doubts as to the validity of a proposed project should be solved in discussion among the project director, the appropriate chairman, and the Honors Dean. Directions for the format of the senior project may be secured from the Honors College Office.

The comprehensive examination must be taken no later than four weeks before the student is scheduled to graduate. The examination may be either written or oral, at the option of the major department. The exact nature of the examination is a matter for decision by the department involved, but there are general guidelines:

(1) The examination should be designed so that it can be completed in a maximum of three hours.
(2) The examination should test the candidate's general knowledge of the field of his major rather than specialized information about some particular aspect of his major.
(3) The examination should be uniform for all candidates within a particular semester.
(4) It is the responsibility of the student to contact the department chairman and request that the comprehensive examination be designed and administered. These arrangements should be made one semester in advance.

Graduation Recognition

Honors graduates receive the distinction, written upon their diplomas, of being Honors College Graduates in the departments of their majors. If their academic average is high enough, they also receive the distinction of summa cum laude (3.8 overall average), magna cum laude (3.5 overall average), or cum laude (3.25 overall average).

Financial Assistance

Students enrolled in the Honors College may apply for financial aid through the Office of Financial Aid on the same basis as any other student. Two types of scholarships available only to Honors students are listed below.

(1) Presidential Scholars: Each year, the President of the University will select four freshmen to be Presidential Scholars. These students must have been accepted by the Honors College, so they will follow admission procedures for Honors except that they will have a final interview with the President of the University. Applicants are expected to have superior ACT scores and high school grade point averages; they are also expected to have

Presidential scholarships are underwritten by the Alumni Association and are in the amount of $6000, payable in $750 increments at registration each semester until graduation.

(2) **University Scholars:** Each year, forty freshmen will be designated University Scholars. These students must have been accepted by the Honors College, so they will follow admission procedures for Honors except that they may have a final interview with the Vice-President for Academic Affairs. Applicants must have ACT scores of 28 or above and high school grade point averages of 3.5 or better.

University scholarships are in the amount of $1200 and are payable in $150 increments at registration each semester until graduation.

THE UNIVERSITY PROGRAM SERIES

The Man, Science, and Society Program

Each semester, programs will be offered combining presentations in humanities, in science, and in social science. The one-hour, pass-fail courses feature such things as na-

tionally known speakers, outstanding films, panels, and other enrichment programs. This series is open to all students of the University and may be repeated for up to 12 hours credit. See course descriptions for HON 321, 322, 323.

THE HUMANITIES PROGRAM

The Honors College offers a minor in humanities as outlined below. This minor is open both to Honors students and to general students. Particularly designed for the student who plans a career in college teaching, the humanities minor is a combination of culturally-oriented courses from the classics, literature, science, social science, art, and music. The requirements for a minor are as follows:

A. One course from each of the following groups:

	Hours
HUM 210, 316 (Science)	3
HUM 310, 313 (Classics)	3
HUM 314, 315 (Art and Music)	3
HUM 380, 382 (Social Science)	3
HUM 410, 412 (Western Literature)	3
B. Foreign Language (for Honors College students 300 level or above)	6
Total	21

TUTORIAL OPTION FOR MAJOR FIELD

An Honors student may elect to define a major through tutorial studies, subject to the availability of faoulty tutors and the specific approval both of the department chairman involved and the Dean of the Honors College. The tutorial option will normally involve a full academic year of continuous concentrated study in the major area.

COLLEGE OF LIBERAL ARTS
ACADEMIC OFFERINGS

Department	Major	Emphasis	Degree**
Aerospace Studies		Air Force ROTC	
Criminal Justice	Criminal Justice*		BA,BS
English	English*	Teaching English to Speakers of Other Languages	BA,BS
	Linguistics*		BA
Foreign Languages	Classics*		BA,BS
	French*		
	German*		
	Spanish*		
Geography and Area Development	Community and Regional Planning*	Urban and Transportation Planning	BS
		Environmental Planning	
	Economics*		BA
	Geography*		BA,BS
History	American Studies*		BA,BS
	History*		BA,BS
	Latin American Studies*		BA,BS
	Social Studies*		BA,BS
Journalism	Advertising*		BA,BS
	Journalism*	Journalism Education	BA,BS
		News-Editorial	
		Photojournalism	
		Public Relations	
Military Science		Army ROTC	
Philosophy and Religion	Philosophy*		BA,BS
	Philosophy and Religion*		BA,BS
Political Science	Paralegal Studies*		BA,BS
	Political Science*	Pre-Law	BA,BS
Radio, Television, and Film	Radio, Television, and Film*	Broadcast Journalism	BA,BS
		Broadcast Management and Sales	
		Film	
		Radio-Television Production	
Sociology and Anthropology	Anthropology*		BA,BS
	Sociology*		BA,BS

Speech and Hearing Sciences	Audiology*	BA, BS
	Education of the Deaf*	BA, BS
	Language Disorders*	BA,BS
	Speech Pathology*	BA,BS
Speech Communication	Communication*	BA,BS
	Public Address*	BA,BS

*Indicates that a minor is available.
**Degree abbreviations: (BA) Bachelor of Arts, (BS) Bachelor of Science.

COLLEGE OF LIBERAL ARTS

James H. Sims, Dean

W.T. Mealor, Jr., Assistant to the Dean

PURPOSE

The College of Liberal Arts provides a broad cultural and educational experience to help students acquire the means of making self-education the rewarding enterprise of a lifetime as well as to guide them in their preparation to serve both society and their own self-interests productively and responsibly. Students are encouraged to widen their interests, to develop mature habits of observation and reading in the major areas of man's cultural heritage, and to learn to think logically, communicate effectively, and judge wisely. Traditional disciplines offer studies towards majors and minors, some interdisciplinary programs are available, and some departments offer postbaccalaureate degrees. For information concerning the latter, see the **Graduate Bulletin.**

A student entering the College of Liberal Arts will be assigned to the appropriate department chairman for academic advisement. Degrees and requirements of the College have been listed. For major and minor requirements, see the departmental offerings.

LIBERAL ARTS CORE REQUIREMENTS

For the **Bachelor of Science Degree:**

	Hours
English (fifteen hours beyond ENG 100)	15
History	6
Science (FS 131 series may be used for Elementary Education majors **only;** SHS 202 satisfies degree requirements but will **not** be accepted for certification)	12
Mathematics	3
Other courses (from the following areas with no more than three hours from any one area: AA 100 or MUS 365. anthropology, economics, geography, HSE 101, philosophy, political science, psychology, public address, sociology)	21
Physical Education (or approved substitute) or ROTC/AFROTC	2-3

For the **Bachelor of Arts Degree:**

	Hours
English (beyond ENG 100 and including a 300-level, or above, composition course)	15
History	6
Other courses (from the following areas, with no more than three hours from any one area: AA 100, MUS 365, anthropology, geography, political science, philosophy, public address, sociology)	12
Science (FS 131 series will satisfy degree requirements **only** for Elementary Education majors, and SHS 202 may be included for the Liberal Arts degree but will **not** be accepted for certification)	6
Mathematics	
Foreign Language (fewer hours may suffice, depending on placement)	12
Physical Education (or approved substitution) or ROTC/AFROTC	2-3

ORGANIZATION

The College of Liberal Arts is organized into fourteen departments: Aerospace Studies, Criminal Justice, English, Foreign Languages, Geography and Area Development, History, Journalism, Military Science, Philosophy and Religion, Political Science, Radio,

Television, and Film, Sociology and Anthropology, Speech and Hearing Sciences, and Speech Communication. The Departments of Aerospace Studies and Military Science have no academic major or minor. Other departments offer both majors and minors.

A major and a minor in Advertising, American Studies, Community and Regional Planning, Latin American Studies, Linguistics, Paralegal Studies, and Social Studies are administered by the College of Liberal Arts and involve an interdisciplinary curriculum. A minor emphasis in Asian Studies is another interdisciplinary program in the College of Liberal Arts. Each program is outlined in the major department section.

DIVISION OF COMMUNICATION

James L. Hall, Coordinator

The Departments of Journalism, of Radio, Television and Film, and of Speech Communication are coordinated as a division to offer an interdisciplinary degree program in Communication. A student may take courses from the three participating departments for a general course of study.

The interdisciplinary baccalaureate degree program in Communication is described in the Department of Speech Communication section elsewhere in this catalog.

DEPARTMENT OF AEROSPACE STUDIES (AOS—202) (AIR FORCE ROTC)

Hugh D. McCracken, Jr., Chairman

Bradley, Collins, Lageose

The Air Force ROTC Program offers a course of study leading to a commission as a Second Lieutenant in response to Air Force needs. The Air Force ROTC Program is an accredited part of the curricula of the University. Completion of AFROTC waives the academic minor requirements. Courses within the General Military Course may also be substituted for physical education requirements.

AFROTC REQUIREMENTS

Students may enroll in AFROTC if they meet the following requirements:

General Military Course: Men and women who are full-time University students may enroll in the General Military Course (GMC). The GMC courses are directed towards an in-depth survey of the Professional Officer Course and towards the missions and activities of the United States Air Force. There is no obligation associated with enrollment in any GMC course. The Professor of Aerospace Studies may grant credit or partial credit for completion of the GMC for students who have served on active duty, for junior or senior level ROTC participation in a program of any service, and for Civil Air Patrol work.

Professional Officer Course: Enrollment in the Professional Officer Course (POC) is limited to those students who have applied and been accepted for this course. Application is normally made while a member of the GMC or (for students not enrolled in the GMC) early during the academic year **prior** to the year of desired entry. Students with previous military service may apply for direct entry. Individuals entering the POC must have two academic years remaining in college as full-time students at the undergraduate and/or graduate level. All POC students are obligated to accept a commission after completing their studies and to enter the active duty Air Force.

DESCRIPTION OF BASIC PROGRAMS

Students who enter Air Force ROTC classes are considered to be in the Four-, Three-, or Two-Year Programs depending on their academic progress upon entry. Enrollment in the General Military Course offers the student maximum exposure to the Air Force without obligation and also affords maximum opportunity for scholarships and entry into the Professional Officer Course. The POC is normally preceded by either a four or six week orientation period conducted at various Air Force bases. USM students usually go to Panama

City, Fort Walton Beach, Montgomery, San Antonio, or Los Angeles area bases for this orientation. Financial entitlements while in the POC normally total about $2,500.

AFROTC COLLEGE SCHOLARSHIP PROGRAM

A combined institutional and Aerospace Studies committee nominates qualified freshman, sophomore, and junior cadets to compete for three- and two-year scholarships. Scholarships cover tuition, books, fees, supplies, and equipment, plus a $100 per month tax-free subsistence allowance. Scholarships are awarded on the basis of specific academic majors needed in the Air Force and to students who want to become pilots, navigators, or missile officers. Interested students should contact the Department of Aerospace Studies.

Four-year scholarships are also available to high school students. High school students interested in making application should write: Air Force ROTC (SBSE), Maxwell AFB, Alabama 36112 during their junior year or before December of their senior year.

FLIGHT INSTRUCTION PROGRAM

The Flight Instruction Program (FIP) provides academic training to selected Professional Officer Course students. Flight training is conducted by a local accredited civilian flying school. The ground school (academic) portion is conducted by the Department of Aerospace Studies and includes theory of flight, weather, navigation, communications procedures, and Federal Aviation regulations.

DEPARTMENT ACTIVITIES

Air Force ROTC students are eligible for membership in Arnold Air Society and to participate in departmental activities. Arnold Air Society is a national service organization and sponsor of Angel Flight, a national coed service organization. Other departmental activities include orientation flights, visits to area bases, intramural sports, Dining-In, and Dining-Out.

DEPARTMENT OF CRIMINAL JUSTICE (CJ—281)

William B. Taylor, Acting Chairman

Alonzo, Devine, Dussich, Fletcher, LeFlore, Marx

The Department of Criminal Justice offers an interdisciplinary major and a minor for a Bachelor of Arts of Bachelor of Science degree and a graduate degree.

Twenty-four (24) hours in Criminal Justice courses, not including the Practicum, fifteen (15) hours in related courses in political science, fifteen (15) hours in either sociology and social work, communication (public relations), geography (community and regional planning) or anthropology and philosophy, and three (3) hours in drug identification are required. A minor is not normally required. Study emphasis is available in the major in law enforcement, courts, and corrections.

COMMON REQUIREMENTS FOR A MAJOR IN CRIMINAL JUSTICE

	Hours
CJ 200, 300 or 306, 400	9-15
(Advanced electives in CJ)	18
Five of the eight listed below:	
PS 101—Core, 301, 380, 402, 470, 480, 481, 483	15
Five of the eight listed below:	
SOC 101—Core, 230, 240, 310, 350, 330, 341, 444	15
Five of the nine listed below:	
PA 111—Core, 311, 330, 400	
JOU 102, 301, 421, 422, 425	15
Five of the seven listed below:	
GHY 101—Core, 400, 360, 453, 465, 460, 466	15
Five of the eight listed below:	
PHI 151—Core, 356, 358, 253	
ANT 101—Core, 212, 320, 420	15

Special requirement — PSC 440	3
Total hours in the major	60
Electives	15
Remaining Core	53
Total	128

DEPARTMENT OF ENGLISH (ENG—224)

Robert S. Pawlowski, Chairman

W. H. Anderson, Barthelme, Bergé, D. Berry, Breland, Brinegar, M. C. Brown, G. Davis, J. K. Davis, Golden, Herzinger, Kay, Kolin, Lasater, J. Lewis, McCraw, C. Moorman, O'Hare, Orange, Phillips, Polk, A. Porter, P. Prenshaw, Richardson, J. H. Sims, C. Skates, R. Stamper, Stringer, Tharpe, M. Weatherford.

Students may earn an undergraduate English major in either teaching or non-teaching programs leading to a Bachelor of Arts or a Bachelor of Science degree. For assistance in determining the appropriate program, students should consult an adviser in the Department of English. For information on the master's and the Doctor of Philosophy programs a student should consult the **Graduate Bulletin.**

Students working toward any degree must include in their curriculum the required core subjects.

ENGLISH PROGRAM

An undergraduate major in English consists of a total of thirty-six (36) hours beyond the freshman level, of which at least twenty-one (21) hours must be at the junior and senior level. However, it is strongly recommended that majors take twenty-four (24) hours at that level. Students expecting to use English as a teaching minor in Mississippi should be aware that state certification in English requires a minimum of thirty (30) semester hours of English or twenty-seven (27) hours of English and three (3) of speech.

Students should take some sophomore level work before enrolling in junior level courses and some junior work before enrolling in senior courses. Students must include among their advanced courses at least one in each of the following categories: (1) English or World Literature before 1700 or Linguistics; (2) English or World Literature after 1700; (3) American Literature. **Analysis of Literature** (ENG 340) is a writing course required of all English majors. For teacher certification, students must take one advanced course in grammar and two in English Literature, of which at least one must be in Shakespeare.

An undergraduate student minoring in English must take a total of twenty-four (24) hours in the department, including at least nine (9) at the junior or senior level. If he wishes to receive state certification, he should contact the Department of English to learn the necessary requirements.

The Center for Writers is a part of the Department of English. It provides opportunities for students who write or wish to write poetry, fiction, or nonfiction prose to receive academic credit for their work.

REQUIREMENTS FOR A MAJOR IN LINGUISTICS

Marice C. Brown, Director

The Linguistics major is interdisciplinary in nature and is drawn from the Departments of English and Foreign Languages, and other departments offering linguistically related courses. It is primarily designed to undergrid careers calling for proficiency in the use and/or analysis of languages: the teaching of languages (including English either as a first or second language), government service, business with overseas operation, and the area of

international relations. Students pursuing this program will be assigned an adviser by the director of the program.

Requirements for Major

Hours

A. One course selected from each group below
   1. FL 300, PA 210 3
   2. ENG 400 3
   3. ENG 402, FL 312, 322, 372, 400 3

B. Seven courses (twenty-one semester hours) selected from the courses listed below
   1. ANT 311, 411
   2. ENG 401, 406, 409
   3. FL 312, 322, 372
   4. PA 324

Total hours from A and B 30

Requirements for Minor

A student wishing to obtain a minor in linguistics must take three courses from (A) above and four courses from (B) above.

Requirements for an Emphasis in Teaching English to Speakers of Other Languages.

Bonnie C. Brinegar, Director

A student earning a Bachelor of Arts degree with a major in English selecting an emphasis in Teaching English to Speakers of Other Languages (TESOL) will be certified to teach English to nonnative speakers both in the United States and abroad. In addition, the student will be certified to teach English to native speakers in Mississippi. Also, the requirements for foreign language certification in Mississippi are met by the TESOL program, provided that 2 units in the modern language elected have been earned in high school or provided that 18 hours of that language are taken at the college level.

By meeting either the English or foreign language major requirements, a TESOL student may receive NCATE certification, automatically certifying that student to teach English or a foreign language to English speakers in 31 states.

English Hours

ENG 101, 102, 340, 400, 401, 402, 454 or 455
One course in American Literature
One course in British Literature after 1700 27

Foreign Language

One course in Latin
Four courses in a modern language
FL 300 18

Education and Psychology

EPY 372, 374; REF 300, 469; CIS 454 or 455, 484 or 485,
CIS 313 27

History

HIS 101, 102 or 140, 141 6

Social Sciences

Two courses (only one from an area) from the following:
anthropology, economics, geography, political science, sociology 6

Science

Two courses in physical science
Two courses in biological science 12

Mathematics
One course excluding MAT 210 3

Psychology
PSY 110 3

Fine Arts
AA 100 or MUS 365 3

Public Address
PA 210 3

Health and Safety Education
HSE 101 3

PED or ROTC/AFROTC 2

DEPARTMENT OF FOREIGN LANGUAGES (FL—228)

Editha S. Neumann, Chairman

E. Anglin, Austin, Fontecchio, R.B. Johnson, Jr.,

McCrary, R. Moorman, J. Roberts, W. Odom, Schurfranz

Candidates for either the Bachelor of Arts or the Bachelor of Science degree may choose a major or minor in French, German, Spanish, or classics. The requirement for a major is at least twenty-seven (27) hours of credit, none of which is at the 100-level. No more than a total of fifteen (15) hours of study abroad and conversation may be applied to a major, and the major program must include at least one course in literature. The minor requires eighteen (18) hours. (Students choosing to major or minor in classics must take both Greek and Latin for a total of the necessary hours of credit.) Language areas are indicated in the course titles. Where no single language is named, the course is open to students studying any foreign language, and such courses are applicable toward the degree programs in the various language areas.

Students may begin programs of specialization at an early date in their foreign language training. In cooperation with other departments at this University, the Department of Foreign Languages has established a number of formal and informal programs for the student who wishes to prepare for a career in which bilingualism can be of an advantage. The department offers, for example, courses that emphasize or supplement training in the following areas: linguistics, translation, banking and business administration in connection with Common Market countries, government and diplomatic service, the military, foreign language teaching, literature, resource management, community and regional planning, and bilingual secretarial skills. Because such programs require individual advisement and counseling, students should consult with a foreign language adviser as soon as possible so that a workable curriculum can be devised. Since the beginning language courses are combinations of historical, cultural, and language material, they can function as electives for students in liberal arts, the sciences, and education, even though these students are pursuing neither a major nor minor in the department.

Most students taking a foreign language begin their study at the elementary level. If French is to be the language studied, the beginning student may enroll in **French: One** and then continue through the next four basic courses: **French: Two, French: Three, French: Four** and **French: Five.** (Of course, those who have already studied the language they wish to continue here will enter the curriculum at an appropriate level.) After the basic courses, students normally proceed with the appropriate **Conversational Practicum** and **Advanced Grammar and Composition.** Because proficiency, and not hours of credit, is the basis for continuing study of a language, every course in the department has as its prerequisite the consent of the instructor.

Students interested primarily in literature should include an appropriate sequence in **History of Literature.** Those emphasizing language arts, linguistics, or translation skills should include FL 300, 301, 400, and 403. Prospective teachers should enroll in FL 404, in

addition to regular language courses and the courses necessary to meet requirements for teacher certification. Those wishing to gain language skills for becoming bilingual secretaries, public relations consultants, businessmen, resource managers, airline stewardesses or stewards, area specialists, etc., should include language study through the **Conversational Practicum, Advanced Grammar and Composition**, and FL 403.

Any student taking a foreign language course has access to the Foreign Language Laboratory and may be required to attend laboratory sessions each week in connection with regular classroom meetings. Required laboratory work is at the discretion of the instructor and may vary from week to week.

DEPARTMENT OF GEOGRAPHY AND AREA DEVELOPMENT (GHY—268)

William M. Roberts, Chairman

Cross, Gladden, A. Kelley, McKee, Mealor, Traylor, Wales

The Department of Geography and Area Development offers the following undergraduate degree programs:

1. Bachelor of Arts and Bachelor of Science in Geography
2. Bachelor of Science in Community and Regional Planning
3. Bachelor of Arts in Economics

THE GEOGRAPHY PROGRAM

Geography is concerned with the nature, development, and significance of the spatial attributes of the surface and atmospheric envelope of the earth. The discipline attempts to explain the variable character of the earth through an examination and analysis of the arrangement and interrelationships of a multitude of relevant cultural and natural phenomena.

As a university discipline, Geography at USM serves a multiple objective: (1) to contribute to the student's broad understanding of the world, its conditions, and its peoples; (2) to prepare the student who desires to teach at the secondary level with a specialty in geography, and, (3) to prepare students for advanced work and professional careers in geography in areas such as university teaching, community and regional planning, resource management, land-use analysis, industrial location analysis, and cartography. The department offers a full range of courses designed to satisfy all three of these objectives. Geography majors may follow either a Bachelor of Arts or a Bachelor of Science curriculum.

Undergraduate courses in Geography fall into one of the three following groups: (1) **topical**—courses in this group, such as economic geography and environmental climatology, consider the geographical or spatial aspects of specific categories or processes; (2) **regional**—such courses deal with certain sections of the earth (e.g., Europe) and generally afford a broader view of the forces of social, economic, physical, and political interaction, and (3) **techniques**—this group includes courses in aerial photograph interpretation, quantitative methods, cartography, computer mapping, and remote sensing that provide the student with the tools necessary for geographic and related careers.

COMMON REQUIREMENTS FOR A MAJOR IN GEOGRAPHY

A student majoring in Geography may select one of several alternative plans. He may work toward the Bachelor of Arts, the Bachelor of Science teaching, or the Bachelor of Science non-teaching degree. The student's choice of program should be determined by his plans for the future and in close coordination with his adviser. All students pursuing a major in Geography must complete the following requirements—which include a minimum of thirty-six (36) hours in the Department of Geography and Area Development and a minor.

	Hours
General Core for the College of Liberal Arts (including GHY 103)	59

Professional Requirements
- GHY 310, 323, 324, 331, and 350 15
- Three additional topical courses in GHY 9
- One 400-level GHY techniques course 3
- One 400-level GHY regional course 3
- Electives in GHY (may include 103) 6

Minor Requirements 21
Electives 12
Total 128

Students working toward the Bachelor of Science teaching degree must pursue a minor in Secondary Education.

COMMON REQUIREMENTS FOR A MINOR IN GEOGRAPHY

A student minoring in Geography must take a minimum of twenty-one (21) hours in the department. Recommended for the minor are GHY 103, 310, 323, 324, 333, and either 341 or 350, plus any 400-level regional course.

THE COMMUNITY AND REGIONAL PLANNING PROGRAM

James W. Gladden, Jr., AIP, Director

There are two emphasis areas available under this major, each leading to the Bachelor of Science degree—(1) Urban and Transportation Planning, and (2) Environmental Planning. The general objectives of the program are to provide:

(1) A basic core of practical training and course work in urban, transportation, and environmental planning;
(2) A generalized interdisciplinary core of related training, primarily in behavioral and scientific knowledge, and in technical skills;
(3) A base upon which students can build a program of graduate study in community and regional planning, natural resources planning, or the social and environmental professions; and
(4) A general but systematic background for students who intend to assume positions in planning and planning-related professions without further formal study.

GENERAL REQUIREMENTS FOR A MAJOR IN COMMUNITY AND REGIONAL PLANNING

Students majoring in Community and Regional Planning must complete the following requirements:

	Hours
General Core for the College of Liberal Arts (courses selected should include ECO 255, GHY 103, SOC 101, PS 101, and PA 111)	59
Community and Regional Planning Core GHY 360, 361, 461, 462, 463, 464, 465, 466, 469, 491 (credit for the latter may vary from 3-9 hours)	30-36
Research Methodology GHY 310, 411, 413, 415	12
Generalized Interdisciplinary Requirements (For specific courses, see "Emphasis" requirements below)	36
Electives	6
Total	143-149

Interdisciplinary Requirements for an Emphasis in Urban and Transportation Planning

Students pursuing this emphasis must complete the following to satisfy the Generalized Interdisciplinary Requirements of the Community and Regional Planning major:

	Hours
Generalized Interdisciplinary Requirements	
Twelve (12) courses should be selected from: JOU 421, ECO 422, 424, 480, SOC 240, 310, PS 301, 402, 470, GHY 350, 370, 432, 440, 451, 452, 453, 460, 475, REI 330, 460, REC 432, 434, 436, MGT 455, ESC 301, 302, 405, BCT 383	36

Interdisciplinary Requirements for an Emphasis in Environmental Planning

Students pursuing this emphasis must complete the following to satisfy the Generalized Interdisciplinary Requirements of the Community and Regional Planning major:

	Hours
Generalized Interdisciplinary Requirements	
Thirteen (13) courses should be selected from: BCT 383, ECO 422, 480, ESC 302, 405, BIO 255, 340, PS 470, REC 417, 436, 441, SOC 311, REI 330, GHY 323, 324, 370, 422, 425, 432, 463, 472, 473, 474, 475	36

ECONOMICS PROGRAM

William M. Roberts, Coordinator

The Bachelor of Arts major in Economics is coordinated by the Department of Geography and Area Development. This degree is granted by the College of Liberal Arts while the Bachelor of Science program in Economics is the responsibility of the College of Business Administration.

COMMON REQUIREMENTS FOR A MAJOR IN ECONOMICS

All students pursuing a Bachelor of Arts major in Economics must complete the following requirements which include thirty (30) hours of Economics and a minor in any Liberal Arts department:

	Hours
General Core for the College of Liberal Arts	59
Professional Requirements	
ECO 255, 256, 301, 302, 330, 340, 345	21
Electives in ECO	9
Minor Requirements	21
Electives	18
Total	128

DEPARTMENT OF HISTORY (HIS—272)

John Ray Skates, Chairman

J. Anglin, Bodenhamer, R. Bowers, Carriere, Ciccarelli, Conklin, W. Edwards, C. Fike, Gonzales, Guice, Harper, McCarty, McMillen, Scarborough, Schmidt, Wallace

The Department of History participates in programs leading to the degrees of the Bachelor of Arts, the Bachelor of Science, the Master of Arts, the Master of Science, the Master of Philosophy, and the Doctor of Philosophy. For the master's and doctoral degrees, please consult the **Graduate Bulletin.** The department participates and advises in the Social Studies, American Studies, and Latin American Studies interdisciplinary degree programs.

COMMON REQUIREMENTS FOR A MAJOR IN HISTORY

An undergraduate student majoring in history may elect either the Bachelor of Arts or the Bachelor of Science degree program. He may certify to teach in the field of social studies at the secondary level under either of the above degree plans by taking the necessary education and psychology courses. He should consult with his adviser to determine which degree plan to follow and what education and psychology courses are required.

Students majoring in history must take thirty-six (36) hours which, regardless of his degree plan, must include HIS 101, 102, and HIS 140, 141. Of the twenty-four (24) remaining hours required for the major, no more than twelve (12) hours of advanced course work can be selected from any one of the three following course areas: (1) American History, (2) European History, (3) Other (Latin American, Far East, and other non-American, non-European courses). Students who have satisfied the thirty-six (36) hour major requirement may take additional advanced courses in history in any area they prefer.

COMMON REQUIREMENTS FOR A MINOR IN HISTORY

The student minoring in history should take twenty-one (21) hours in history which should include HIS 101 and 102.

Teacher Certification

The history major working toward the Bachelor of Science teaching degree with a secondary school license in social studies must include in his program (1) the education courses required for the Class A teaching certificate (education will normally be the minor for a history major seeking a teacher's license); and (2) the following social studies courses either as core or electives: economics (6 hours), political science (6 hours), geography (6 hours), sociology (3 hours), Mississippi History (3 hours).

AMERICAN STUDIES MAJOR (AMS—204)

John D. W. Guice, Director

Department of History

The American Studies Program offers an interdisciplinary major and minor for students interested in a broad liberal arts education. Through courses from many fields, the student acquires an understanding of the development of the American heritage. By course selection and during the American Studies Seminar, students may pursue their special interests. The major requires thirty (30) semester hours and the minor requires eighteen (18) semester hours. For students who desire a double major, no minor is required.

Students are encouraged to have a second major or minor in complementary, career-oriented fields such as pre-law, paralegal studies, journalism, library science, marketing, management, radio-television-film, military science, and education. The requirements listed below are in addition to the Liberal Arts core curriculum for either the Bachelor of Arts or the Bachelor of Science degree. Students in this program will be advised by the director of the American Studies Program.

COMMON REQUIREMENTS FOR A MAJOR IN AMERICAN STUDIES

Thirty (30) hours selected from groups below

	Hours
Group I. One course from each field	9
English 370, 371, 372, 470, 471, 472, 477, 478, 485, 489	
History 340, 342, 343, 344, 440, 441, 442, 443, 445, 446, 447, 448, 450, 451, 452, 453, 454, 456, 457	
Political Science 301, 303, 330, 401, 402, 404, 406, 408, 409, 425, 434, 470, 472, 473, 480, 481	
Group II. One course from three different fields	9
American Studies 304	
Anthropology 315	
Criminal Justice 200, 303, 308, 407, 410, 416	

Economics 310, 330, 424, 465, 480
Geography 370, 402, 435, 440, 452, 453, 460
Journalism 315, 421, 450, 452, 460
Humanities 316
Music 432
Radio-Television-Film 270, 370, 460
Sociology 240, 310, 311, 314, 341, 350, 421, 444, 471

Group III. Select any combination of three courses from Groups I and II 9
American Studies Seminar 403 (Senior year requirement) 3
Total 30

LATIN AMERICAN STUDIES

Orazio Ciccarelli, Director

The Latin American Studies Program offers: (A) an interdisciplinary major in Latin American Studies: (B) an interdisciplinary minor in Latin American Studies. The program is designed to prepare students for careers in government, business, teaching, or private organizations having Latin American interests. The requirements listed below are in addition to the General College Core curriculum for either the Bachelor of Arts or the Bachelor of Science degree. Students pursuing this program will be advised by the director of the Latin American Studies Program.

COMMON REQUIREMENTS FOR A MAJOR IN LATIN AMERICAN STUDIES

HIS 380, 381, 382 9
HIS 480, 481, or 482 3
GHY 403 3
PS 456 or 434 3
ANT 315 3

and a total of nine (9) hours elected from other courses relevant to Latin America and approved by the director of the Latin American Studies Program.

In addition, the student must complete Spanish or Portuguese studies in the Foreign Language Department relevant to Latin America equal to at least six (6) hours above the 300-level.

COMMON REQUIREMENTS FOR A MINOR IN LATIN AMERICAN STUDIES

HIS 380, 381, 382 9
GHY 403 3
PS 434 or 456 3
ANT 315 3

and a total of three (3) hours elected from courses in history, geography, Spanish, political science, economics, anthropology, sociology, and geology specifically related to Latin America.

A certificate of competency will be granted upon completion of the above requirements.

COMMON REQUIREMENTS FOR A MAJOR IN SOCIAL STUDIES

J. Ray Skates, Director

The interdisciplinary major and minor in the area of Social Studies is jointly sponsored by the College of Liberal Arts and the College of Education and Psychology. This program is open to both prospective teachers as well as those students desiring a broad preparation in the social sciences. Consequently a student majoring in Social Studies may elect the degree program of either college. Students who plan to teach in the public schools must meet the professional certification requirements of the College of Education and Psychology. It is recommended that a student who is planning to teach the Social Studies in junior or senior high school take this interdisciplinary major as it more adequately prepares one to teach all the social studies courses currently offered in the public schools.

History	Hours
HIS 101, 102, 140, 141, 341, and 6 hours of history electives	21
Political Science	
PS 101, 301	6
Sociology	
SOC 101, 310 or 311	6
Economics	
ECO 255, 256	6
Geography	
GHY 103, and 331, 341, or 350	6
Nine (9) hours of electives from three (3) of the following fields: economics, geography, political science, sociology	9

COMMON REQUIREMENTS FOR A MINOR IN SOCIAL STUDIES

(Non-teaching)

The minor in social studies will consist of twenty-one (21) hours in no less than four of the six fields specified above, and a minimum of twelve hours in courses numbered 200 or above. The designated fields are history, political science, sociology, economics, geography, and anthropology.

DEPARTMENT OF JOURNALISM (JOU—212)

Birthney Ardoin, Chairman

Bishop, Chiasson, G. Fowler, Frair, Wheeler, Wiggins

The Department of Journalism offers emphases in News-Editorial, Photojournalism, Public Relations, and Journalism Education. The department also participates in an interdisciplinary Advertising Program. These programs are designed to prepare students for careers in news reporting, editing, writing, photography, advertising, public relations, and journalism education.

COMMON REQUIREMENTS FOR A MAJOR IN JOURNALISM

A student majoring in journalism may elect either the Bachelor of Arts or the Bachelor of Science degree program, but must follow the appropriate core requirements of the College of Liberal Arts.

Typing Skills Necessary

Any student expecting to take courses in journalism should understand that a typing capability is essential. Those students with no typing skills should plan to take typing very early in the program.

All majors and minors are required to do practical work on **THE STUDENT PRINTZ.** Others are invited to participate in the publication of the paper.

Flexibility in the selection of courses outside of the department is encouraged so that students can formulate individualized career goals.

Requirements for an Emphasis in News-Editorial

The news-editorial sequence requires a minimum of thirty (30) semester hours, including JOU 102, 103, 311, 313, 402, 403, 450, and 460.

Requirements for an Emphasis in Photojournalism

The photojournalism program requires a minimum of thirty (30) semester hours, including JOU 102, 103, 140, 240, 340, 342, 440, and 460.

Requirements for an Emphasis in Journalism Education

The journalism education program is designed to prepare students academically and professionally to teach journalism and supervise publications on the secondary level and to pursue graduate level study. The journalism major working toward the Bachelor of Science teaching degree must meet general and professional education requirements, including a minor in secondary education, in addition to meeting departmental requirements.

Majors must complete thirty (30) semester hours in journalism, including JOU 102, 103, 140, 311, 313, 331, and 402. To meet the special requirements of teacher certification, the candidate should also meet the special requirements of a major in a related subject matter field, such as English or social science.

Requirements for an Emphasis in Public Relations

The sequence in public relations requires the following thirty-three (33) semester hours. JOU 102, 103, 140, 301, 311, 312, 313, 421, 422, 425, and 428. Recommended for electives or as a possible minor are these optional courses to provide students with a broad range of instruction in other areas of communication. PA 311, 315, 410; RTF 271, 302, 440, and 472.

COMMON REQUIREMENTS FOR A MINOR IN JOURNALISM

Students minoring in journalism are required to complete twenty-one (21) semester hours, which should include JOU 102, 103, 311, 313, 402. Other courses should be approved by the chairman of the department.

ADVERTISING

Birthney Ardoin, Director

The Departments of Journalism and Radio, Television, and Film offer a major in advertising through an interdisciplinary program administered in conjunction with the Department of Marketing in the College of Business Administration.

The advertising major is designed to prepare students to work in advertising agencies, business, and industries that require advertising departments, or as specialists in the mass media.

Advertising majors in Liberal Arts may follow either a Bachelor of Arts or a Bachelor of Science curriculum dependent upon specialized interests. A curriculum plan should be developed with the major adviser early in the program.

Advertising majors do not have a separate minor. Majors must complete fifty-four (54) semester hours from the following recommended curriculum:

COMMON REQUIREMENTS FOR A MAJOR IN ADVERTISING

	Hours
MKT 300, 322, 342, 355, 365, 455	18
JOU 140, 312, 331, 418	12
RTV 271, 330, 340, 431	12

Elect four courses from the following: JOU 240, 421, 442, 460; RTF 311, 371, 407, 425, 460; MKT 330.

DEPARTMENT OF MILITARY SCIENCE (MS—276)

Ambrose A. Szalwinski, Chairman
Alford, Bligh, Chambers, Gill, Hinson, Housley, Lane,
Reed, Whitworth, M. Williams,

AUTHORIZATION

The University of Southern Mississippi was authorized by the Department of the Army to activate a unit of the Senior Division Reserve Officers Training Corps (ROTC) on April 3, 1950. The unit was organized June 14, 1950, under the authority of an Act of Congress, June 3, 1916, and subsequent amendments thereto.

MISSION

The mission of the ROTC program is to attract, motivate, and prepare selected university students for commissioning as officers in the United States Army. Academic achievement in the major field of study is of primary importance for students enrolled in the ROTC program.

PROGRAM OF INSTRUCTION

The ROTC program of instruction is divided into two courses, the Basic Course and the Advanced Course. The full program encompasses four years.

The Basic Course consists of two years of instruction and is a prerequisite for entry into the Advanced Course. The Basic Course is introductory in nature and no military obligation is incurred.

The Advanced Course is designed to prepare selected cadets for commissioning in the United States Army. All academic majors are accepted, and the University has waived the requirement for a minor for those students completing the ROTC program. Successful completion of a six-week advanced summer camp and nomination by the Professor or Military Science are required for commissioning. The Advanced Course student is paid a $100.00 per month tax free subsistence allowance during both academic years of the Advanced Course. Regular Army and Reserve Commissions are earned. A recipient of a Reserve Commission may opt for a short period of active duty and then join a Reserve or National Guard unit.

TWO-YEAR PROGRAM

A two-year program leading to a commission is available to the following categories of students:

(1) A veteran whose military record is evaluated by the Professor of Military Science and determined to have the necessary background for acceptance into the Advanced Course.

(2) Students who did not take the Basic Course during the freshman and sophomore years. These students must successfully complete a six-week Basic Summer Camp prior to applying for the Advanced Course.

EXTRACURRICULAR AND ENRICHMENT ACTIVITIES

ROTC cadets have the opportunity to participate in several professional organizations within the Corps of Cadets. These include the Orienteering Team, the Ranger Company, the Rappelling Club, the Rifle Team, the Scabbard & Blade (honorary military society), and the Southern Generals (drill team).

Field training exercises and adventure training are conducted on a voluntary basis.

ROTC SCHOLARSHIP PROGRAM

The Army ROTC Scholarship Program is designed to offer financial assistance to outstanding young men and women in the four-year ROTC program who are interested in the Army as a career. There are four types of scholarships: Four-year, Three-year, Two-year, and One-year. Each scholarship provides tuition, textbooks, and laboratory fees in addition to paying a $100.00 subsistence allowance per month for the period that the

scholarship is in effect.

Four-year scholarships are offered to select young men and women who have graduated from high school or received equivalent credit from an acceptable state or national agency. Applicants must be enrolled in or acceptable for enrollment in the University. Students desiring to apply for the Four-year Scholarship must do so between April 1 and November 15 of the year before the scholarship is to begin. Information and application packets for the Four-year Scholarship may be obtained from the high school counselor or by writing to:

Army ROTC
P. O. Box 12703
Philadelphia, PA 19134

The Department of the Army will select all four-year scholarship recipients.

Three-year scholarships are available to students who have completed their first year of Army ROTC. Two-year scholarships are available to students who have completed the Basic Course of Military Science and have been accepted for enrollment in the Advanced Course. One-year scholarships are available to Advanced Course students who have completed their third year of Army ROTC.

Students desiring to apply for the One-year, Two-year, or Three-year scholarships will do so through the Professor of Military Science at the University. Applicants will be screened by a scholarship committee and selections will be forwarded to the Department of the Army for final selection.

DEPARTMENT OF PHILOSOPHY (PHI—284) AND RELIGION (REL—288)

Paul W. Sharkey, Chairman

Burr, G. Hales, Runzo, Sullivan, F. Wood

The Department of Philosophy and Religion offers programs of study leading to the degrees of Bachelor of Arts and Bachelor of Science with a major in philosophy, a major in philosophy and religion, a minor in philosophy or a minor in philosophy and religion. In general, each of these programs is designed to help students gain a better understanding of themselves, their world, their own beliefs and those of others.

The major in philosophy offers both breadth and depth in philosophical training for students interested in pursuing graduate study in philosophy as well as for those majoring in philosophy as a pre-professional program in law, medicine, or other related fields.

The philosophy and religion major offers and encourages breadth in the philosophical and scholarly study of the phenomenon of religion for students interested in pursuing the academic study of religion at the graduate level, or as a pre-professional program for the ministry, religious education, or counseling.

COMMON REQUIREMENTS FOR A MAJOR IN PHILOSOPHY

Candidates for the bachelor's degree with a major in philosophy are required to complete a minimum of thirty (30) semester hours in philosophy to include PHI 151, 253, 310, 312, and 356. The remaining fifteen (15) semester hours are to be selected from both humanistic and technically oriented philosophy courses in consultation with a departmental adviser.

Students wishing to minor in philosophy are required to complete twenty-one (21) semester hours in philosophy including PHI 151, 253, 356, and at least one course in the history of philosophy. The remaining nine (9) semester hours are to be selected from upper division offerings in philosophy in consultation with a departmental adviser.

COMMON REQUIREMENTS FOR A MAJOR IN PHILOSOPHY AND RELIGION

Candidates for the bachelor's degree with a major in philosophy and religion are required to complete a minimum of thirty (30) semester hours in philosophy and religion to include either PHI 151 or REL 131 and PHI 352, 372, REL 333, 335. The remaining fifteen (15) semester hours are to be selected in consultation with a departmental adviser.

Students wishing to minor in philosophy and religion are required to complete twenty-one (21) semester hours in philosophy and religion including either PHI 151 or REL 131 and PHI 372 and at least one course in the Eastern and one course in the Western religious traditions. The remaining nine (9) semester hours are to be selected in consultation with a departmental adviser.

DEPARTMENT OF POLITICAL SCIENCE (PS—280)

William H. Hatcher, Chairman

Caudill, Lea, Marquardt, Parker,

Sherry, Van Wingen, Wheat, Wolfe

The Department of Political Science offers majors and minors in Political Science and Paralegal Studies, and an emphasis in Pre-Law Studies.

The Political Science Major

The Political Science major is designed to prepare students for careers in national, state, and local governments, teaching and international service, among others. The department offers courses leading to be Bachelor of Arts, Bachelor of Science, Master of Arts, Master of Science, Master of Philosophy, and Doctor of Philosophy degrees.

COMMON REQUIREMENTS FOR A MAJOR IN POLITICAL SCIENCE

In addition to PS 101 (American Government) the Political Science major must take at least one course from five of the six fields of political science. The remaining twelve hours are electives in Political Science.

COMMON REQUIREMENTS FOR A MINOR IN POLITICAL SCIENCE

The department recommends that the minor (18 hours) include courses from at least four of the six fields.

The Six Fields of Political Science

Political Theory. 320, 420, 421, 425.
American Government and Politics. 301, 302, 303, 401, 402, 404, 406, 407, 408, 409.
International Relations. 330, 331, 431, 432, 434, 435.
Comparative Government. 351, 450, 451, 452, 453, 455, 456, 458.
Public Administration. 370, 375, 471, 472, 473, 474.
Public Law. 380, 381, 480, 481, 482, 483, 484, 485.

Economics 401, History 300, 412, 456, and 457 may be elected as political science if approved by the student's adviser.

COMMON REQUIREMENTS FOR A MAJOR IN PARALEGAL STUDIES

Ronald G. Marquardt, Director

The Paralegal field is a new profession designed to aid attorneys to deliver legal services more efficiently. Legal assistants are currently being hired for positions in business, private law firms, and government.

A major in Paralegal Studies requires that a student complete the College of Liberal Arts Core requirements for a Bachelor of Arts or Bachelor of Science degree plus a thirty-six hour major. The major includes the following three (3) hour courses: GBA 295, ACC 201, PS 380, PS 381, CJ 303, MGT 360, ENG 333, PS 481, REI 340, BED 460, PS 480, and PS 483.

Requirements for an Emphasis in Pre-Law

Ronald G. Marquardt and James Wolfe, Advisers

The requirements for admission to law schools vary slightly, and a pre-law student should obtain the entrance requirements from the school of his choice. In general, law

schools expect a student to possess a bachelor's degree with a major in a content field.

All law schools require their students to be able to express themselves well in written composition. Therefore, a student who is weak in composition should take extra composition courses.

When a student first arrives, he should go to a pre-law adviser each time he registers, but when he selects a major, he should get an adviser from that department and thereafter see the pre-law adviser only regarding special problems.

After consultation with law school administrators and practicing attorneys the following emphasis area has been constructed to assist students preparing for law school:

	Hours
ACC 201	3
ECO 255	3
ENG 300 or 432	3
PS 380 or 481, and 483	6
HIS 402, 456, PS 301, 407, 480, PHI 358, or GBA 295	6
Total	21

DEPARTMENT OF RADIO, TELEVISION, AND FILM (RTF—220)

James L. Hall, Chairman

Albers, R. B. Cade, D. Goff, Mott

The Department of Radio, Television, and Film offers a student an opportunity to study for a career in Broadcast Journalism, Broadcast Management and Sales, Radio-Television Production, and Film. The department also participates in an interdisciplinary advertising program. The Bachelor of Arts and the Bachelor of Science degrees are offered in these areas of concentration.

Federal Communications Commission regulations require that certain employees of radio and television stations must be licensed by the Commission. There are three classes of licenses: Third Class Radiotelephone License with Broadcast Endorsement; Second Class Radiotelephone License; and First Class Radiotelephone License. To obtain a license, the applicant must appear before the Commission and pass a written examination. Students preparing for the Third Class License examination should enroll in **RTF 311, Radio Production.** Students seeking the Second and First Class licenses should select the Interdisciplinary Minor Program listed below.

The Internship Program provides the student with supervised study and experience in one of the mass media: radio, television, or film. Selected students are given the opportunity to observe and to analyze the methods, techniques, and creative processes of professionals. The scope of the internship may be highly specialized, one in which the student remains with one departmental operation, or it may be varied, in which case the student ranges throughout the professional organization and learns about the functions of several jobs. The student must originate, and submit in writing, a proposal or description of his internship. The prospectus, signed by both a representative of professional management and the Radio, Television, and Film faculty member involved, serves as a contractual agreement and reminder for the student as to the nature of the internship. Students employed by a station or film production company on a part-time basis during the academic year cannot receive academic credit for work they are already doing for pay.

COMMON REQUIREMENTS FOR A MAJOR IN RADIO, TELEVISION, AND FILM

The major in Radio, Television, and Film consists of thirty-six (36) semester hours of course work. An overall 2.0 grade point average, and a 2.5 grade point average in radio, television, and film courses, is required for graduation.

All radio, television, and film majors are required to take the following courses:

	Hours
General Core for the College of Liberal Arts	60
Departmental Requirements	
RTF 200, 271, 311, 340	12
Area of specialization in RTF	24

Additional departmental course work should be considered by each student in consultation with his adviser with an intended goal of the fullest possible career preparation.

Requirements for an Emphasis in Broadcast Journalism

All students desiring an emphasis in Broadcast Journalism should complete the following requirements in addition to those listed in the section above entitled. COMMON REQUIREMENTS FOR A MAJOR IN RADIO, TELEVISION, AND FILM. The Bachelor of Arts degree is suggested for students preparing for careers in Broadcast Journalism.

	Hours
Major Requirements	
RTF 302, 320, 417, 447, 371, 472, 360, 460, 418	26

Minor Requirements

Students preparing for careers in Broadcast Journalism should seek a minor in journalism or photojournalism.

Requirements for an Emphasis in Broadcast Management and Sales

All students desiring an emphasis in Broadcast Management and Sales should complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN RADIO, TELEVISION, AND FILM.

	Hours
Major Requirements	
RTF 330, 360, 407, 416, 425, 431, 460, 302 or 418	24

Minor Requirements

Depending on specific career goals, students should seek a minor in business administration, finance, management, marketing, or accounting.

Requirements for an Emphasis in Radio-Television Production

All students desiring an emphasis in Radio-Television Production should complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN RADIO, TELEVISION, AND FILM. The curriculum in Radio-Television Production is designed to prepare students for careers in radio stations and in advertising agencies. The Bachelor of Science degree is suggested for students preparing for careers in Radio and Television production.

	Hours
Core Requirements	
MAT 101	3
PHY 105, 106	6
Major Requirements	
RTF 320, 330, 360, 371, 411, 440, 447, 460, 472	26
Clock hours of "on the air" broadcasting experience at WMSU	120

Minor Requirements

Depending on the student's career plans, he should seek a minor in theatre, music, or art, or the interdisciplinary minor.

Interdisciplinary Minor Program for FCC Advanced Licenses

The Interdisciplinary Minor Program is designed to meet the needs of students pursuing Federal Communications Commission radiotelephone license examinations.

	Hours
MAT 103, 276	6
IVE 301, 302, 303	9
PHY 327, 328, 444	9

Requirements for an Emphasis in Film

All students desiring an emphasis in Film should complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN RADIO, TELEVISION, AND FILM. The curriculum in film is designed to prepare students for positions with television stations, film units, motion picture production companies, industrial in-house film units, and federal and state agencies.

	Hours
Major Requirements	
RTF 270 or 370, 371, 375, 377, 418, 471, 472, RTF elective	24

Minor Requirements

Depending on the student's career plans he should seek a minor in English, theatre, art, sociology, or journalism. With concurrence of his adviser, a student may elect an interdisciplinary minor by completing six courses in English, business administration, theatre, art, sociology, or journalism.

REQUIREMENTS FOR A MINOR IN RADIO, TELEVISION, AND FILM

All students pursuing a minor in Radio, Television, and Film must complete eighteen (18) semester hours of RTF courses. Courses required to meet this requirement are as follows:

	Hours
RTF 200, 271, 311, 340	12
RTF electives	6

DEPARTMENT OF SOCIOLOGY (SOC—292) AND ANTHROPOLOGY (ANT—286)

Lawrence L. Bourgeois, Chairman

Burrus, Edwards, Gilbert, Heisler, Himelstein, Panko, Ramke, Shimabuku, Thagard, Williamson, Winn

MAJOR IN SOCIOLOGY

The Department of Sociology and Anthropology offers a major and minor in Sociology. A minimum of twenty-seven (27) semester hours (beyond SOC 101) is required for the major. Twenty-one (21) hours are needed for the minor. The sociology major may choose one of two emphases: general sociology or social work.

Core curricula of the University, the College of Liberal Arts, and either the Bachelor of Science or Bachelor of Arts degree programs should be followed with care. Sociology majors who wish to certify to teach on the secondary education level should take note of these requirements in the section of the catalog dealing with teacher training. It should be noted that a student may certify to teach even though enrolled in the College of Liberal Arts.

Sociology majors will complete a minor of twenty-one (21) hours in another field of their choice. Courses not needed to fulfill major, minor, or core requirements are free electives and may be taken in any department of the University.

COMMON REQUIREMENTS FOR A MAJOR IN SOCIOLOGY

A. Sociology 101 is a prerequisite to all other course offerings.
B. All sociology majors (general and social work emphasis) must take the following courses: SOC 101, 310 or 311, 460, 480, 481 or 482.
   1. Students pursuing the general sociology major must also take SOC 461. The remaining twelve (12) hours may be selected from any of the departmental offerings with the exception of the social work courses.
   2. Students choosing the social work emphasis should also take SOC 230, 330, and 331.
C. Students preparing for careers in social work may obtain within the department both class room and practical experience in that area as well as a foundation in

behavioral science. An adviser will help in the selection of courses from other disciplines which will round out the student's preparation for performing social work services.

ANTHROPOLOGY

A major in anthropology requires a minimum of twenty-seven (27) semester hours in anthropology including ANT 101, 212, 301, 304, and 413.

A minor requires a minimum of twenty-one (21) semester hours including ANT 101 and 413.

Requirements for an Emphasis in Asian Studies

M. Winn, Director

An emphasis in Asian Studies leads to an interdisciplinary minor within the Departments of Sociology and Anthropology, Foreign Languages, Geography and Area Development, History, Philosophy and Religion, and Political Science. The program is primarily designed for students who seek preparation for positions with the United Nations Organization or with the United States Government in this or a foreign country, for careers in business and private organizations having overseas interests, for teaching, and for research projects in archaeology, anthropology, and other fields undertaken in cooperation with a university or museum.

Requirements for Minor

A minor in Asian Studies requires a total of eighteen (18) semester hours to be selected from no less than three of the following academic areas. (All courses listed below carry three hours of credit.)

ANT 314, 316, 411, 492
FL 400 (may be repeated up to a total of 6 hours for Japanese, Sanskrit, or any other Oriental Language.)
GHY 407
HIS 301
PHI 352, 492
PS 453,
REL 435, 492

DEPARTMENT OF SPEECH AND HEARING SCIENCES (SHS—296)

Robert C. Rhodes, Chairman

Adams, DuBard, H. Fike, Lehrer, McClelland, Scanio, Schaub, R.C. Thomas

The Department of Speech and Hearing Sciences is concerned with the body of knowledge and scientific study that pertains to both normal and abnormal speech, hearing, and language. The department provides the environment in which information in this area can be advanced effectively and knowledge can be disseminated.

A Speech and Hearing Clinic, a School for Children with Language Disorders, and a School for Children with Impaired Hearing are administered by the Department of Speech and Hearing Sciences to provide remedial services, educational and training experience for students, and settings for clinical research. An Acoustics Laboratory is operated by the department for the purpose of conducting pure and applied research dealing with speech and auditory processes. In addition, the department has working agreements with several off-campus clinical facilities around the state for clinical practicum experience.

Bachelor of Arts teaching degrees and Bachelor of Science teaching degrees are offered by the department. Students who wish to meet the certification requirements of the Mississippi State Office of Special Education in speech and hearing must meet the criteria for one of these degrees. The Bachelor of Arts or the Bachelor of Science degree includes a number of related disciplines including speech pathology, audiology, language disorders, and education of the deaf. For information concerning master's or doctoral degrees, consult the **Graduate Bulletin.**

Students who wish to receive an undergraduate degree from the department must meet the general core requirements of the College. In addition, they must meet the requirements of one of the majors listed below.

COMMON REQUIREMENTS FOR A MAJOR IN AUDIOLOGY

SPE 310, 311, 312, 400, 410
EPY 370 or 372, 374
SHS 101, 201, 202, 211, 221, 401, 402, 420, 421, 427, 428, 429, 430, 439
plus any two of the following courses:
SHS 403, 425, 431, 432, 433, 435, 436, 437, 438

COMMON REQUIREMENTS FOR A MAJOR IN EDUCATION OF THE DEAF

SPE 310, 311, 312, 400, 486
EPY 374 and 370 or 372
CIF 416, 469
PED 320 or 321
SHS 101, 201, 202, 221, 401, 412, 421, 423, 433, 435, 436, 437, 438, and 439 or 425

COMMON REQUIREMENTS FOR A MAJOR IN SPEECH PATHOLOGY OR LANGUAGE DISORDERS

SPE 310, 311, 312, 400, 410
EPY 374 and 370 or 372
PSY 360
SHS 101, 201, 202, 211, 221, 401, 403, 411, 412 414, 419, 431, 432 plus any two of the following courses:
SHS 402, 421, 427, 428

DEPARTMENT OF SPEECH COMMUNICATION (COM—208) (PA—216)

Don George, Chairman

L. Goff, Gwin, Shands, Tucker

The Department of Speech Communication offers two programs leading to either the Bachelor of Arts or Bachelor of Science degrees: Public Address and Communication. An undergraduate major will consist of between 38 and 42 semester hours, depending on the program selected, of which at least 24 hours must be at the 300 level or above. While the following descriptions offer guidelines, each student should work closely with an adviser to develop a program suited to a personal career plan. Each student will select an appropriate minor of at least twenty-one (21) hours which may be in any related department or selected from more than one department as recommended by the adviser.

COMMON REQUIREMENTS FOR A MAJOR IN PUBLIC ADDRESS

The Public Address major is designed to prepare students for careers as speech writers or consultants, or to give a foundation for prospective graduate students planning careers teaching in the area of Speech Communication. Students in any pre-professional program requiring considerable public speaking, such as law or the ministry, will find a major in Public Address valuable. The following program is recommended for a major:

	Hours
PA 100, 111, 112, 210, 315, 311, 312, 315, 319	27
PA 320 or PA 330	3
PA 310 (May be repeated up to 3 hours)	2 to 3
PA electives above 300	9

An appropriate minor of 21 hours should be taken with the advice of the adviser, and may be from a single department or mixed according to the student's career objectives. A

minor in Public Address should consist of twenty-one hours as recommended by the major department. The following are particularly recommended: PA 100, 111, 210, 310, 312, 320, and 330.

COMMON REQUIREMENTS FOR A MAJOR IN COMMUNICATION

The Division of Communication offers an interdisciplinary major and minor involving the Departments of Speech Communication, Journalism, and Radio, Television, and Film. It is designed to prepare students for careers as communication specialists within business and industrial organizations, government agencies, trade and professional associations, or public institutions. A broad background in liberal arts and social sciences is recommended, and students are advised to concentrate their electives in these areas.

A major in Communication shall consist of the following courses: Seven courses selected from:

	Hours
PA 100, 210, 305, 311, 312, 319, 320, 330, 400, 410	21
JOU 421, 425	6
MGT 360, 455	6
3 courses selected from:	
PA 403, 417, 492; RTF 340, 440	9

Majors are advised to take a mixed-minor of 21 hours selected from:

JOU 102, 140, 311, 313
RTF 302, 330, 442
MGT 364, 454, 456, 476

Majors in Communication are expected to choose ENG 332, 333, and 334 in completing the Liberal Arts core requirements in English.

A mixed minor in Communication may be selected from the areas of Public Address, Journalism, and Radio-Television-Film. The following courses are recommended:

PA 100, 305, 311, 320, 330, 410
JOU 102, 140, 311, 313, 421
RTF 302, 330, 442

Requirements for an Emphasis in General Speech Education

The general speech education emphasis prepares students to teach and supervise speech activities at the secondary level. Students taking a Bachelor of Science teaching degree in Public Address must meet the general and professional education requirements, including a required minor in secondary education, in addition to the departmental requirements.

Speech Education students are expected to participate actively in at least one season of intercollegiate debate and in one theatre production. The following is recommended for a major.

Choose nine courses from the following:

	Hours
PA 100, 111, 112, 210, 310, 311, 315, 319, 320, 330, 417	27
THE 111, 120	6
Choose two courses from the following	
PA 400, 403, 492; THE 200, 320	6
CIS minor requirements	

SCHOOL OF LIBRARY SERVICE

Onva K. Boshears, Jr., Dean

P. G. Anderson, L. B. Bowers, Boyd, W. Jones, L. F. Lanmon, Long, J. McDowell, K. Miller, R. P. Thomas, W. Tracy, Walt, Wilder

PURPOSE

The primary purpose of the School of Library Service is to educate students for careers in librarianship and related fields. With the current emphasis on all media formats, the curriculum is planned to prepare future librarians to organize, develop, facilitate, and evaluate a multiplicity of print and non-print resources in varying types of libraries.

ACADEMIC REQUIREMENTS

Any student who satisfies admission requirements to the University through the Office of Admissions is eligible for admission to the School of Library Service. Admission to the School, however, does not constitute admission to a major program within the School. All students majoring within the School must have their major program approved by the Dean of the School of Library Service and a completed program plan on file in the Dean's Office.

In the first two years in the University, the library science major is expected to acquire a broad background of general education in the liberal arts and sciences. Library science courses for the undergraduate major or minor are begun in the junior year and completed in the senior year. In addition, library science majors are advised to concentrate elective hours in one subject field, professional area, or language in order to qualify for better library positions. Upon completion of a four-year program, a student receives a B.A. or B.S. degree with a major in library science. After an additional year of graduate study, one can receive the Master of Library Science (M.L.S.) degree. In order to qualify for many professional positions in the library field, a master's degree is required. Consult the **Graduate Bulletin** for information on the graduate program in library service.

Students desiring to prepare for positions in public, college, and special library fields should follow either the Bachelor of Arts or the Bachelor of Science non-teaching degree program. Those planning on entering these fields of librarianship should be advised that they will most probably be required to continue their studies at the master's level in order to obtain a professional level position. Students desiring to become public elementary or secondary school librarian-media specialists should follow the applicable Bachelor of Science teaching degree program.

The student's choice of a degree program should be determined by his or her career goals, certification requirements, and in consultation with a faculty adviser or the Dean of the School.

COMMON REQUIREMENTS FOR A MAJOR IN LIBRARY SCIENCE

All students majoring within the School of Library Service are required to complete the following general core curriculum which also satisfies the general education requirements of the University. Exceptions must be approved by the Dean of the School.

	Hours
English 101, 102 and two other English courses 200 level or above	12
History 101 and 102, or 140 and 141	6
Social Sciences	9
Elect courses from two or more of the following for 9 hours: anthropology, economics, geography, political science, sociology, and religion.	
Science	12
Biological Science-6 hours	
Physical Science-6 hours	
(The Fundamentals of Science series satisfies this requirement)	
Mathematics	3
PSY 110	3
Fine Arts	3

PA 111 3
HSE 101 3
Physical Education (activity) 2
LS 101 1
Honors "Man, Science, and Society" Lectures 1
58

COMMON REQUIREMENTS FOR A MAJOR IN LIBRARY SCIENCE

(Non-Teaching Degree)

Hours

General Core Requirements (School of Library Service) 58
Major in Library Science Requirements 25
LS 401, 402, 405, 406, 411, 416, 489, electives 3 hours
Minor and Elective Requirements 45
In addition to general and departmental requirements, the student must also complete the requirements for a minor, or a dual major in another field, and enough elective hours from any department of the University to complete the 128 semesters hours required for a degree. Students should see their adviser for assistance in planning their minor or dual major.

REQUIREMENTS FOR A MAJOR IN LIBRARY SCIENCE (Bachelor of Arts)

(Non-Teaching Degree)

The requirements for the Bachelor of Arts non-teaching degree are the same as those for the Bachelor of Science non-teaching degree with one exception. Students in the Bachelor of Arts program must complete six (6) to nine (9) semester hours in a foreign language. Those students who have completed two years of the same language in high school and who make satisfactory placement test scores may meet the language requirements by completing six (6) semester hours in the same language at the 200 level or above.

REQUIREMENTS FOR A MAJOR IN LIBRARY SCIENCE

(Professional Teaching Program—Elementary School Librarian/Teacher)

Students desiring certification as elementary-school librarians or media directors should complete the general library science, professional education, and elective requirements listed below.

Hours

General Core Requirements (School of Library Service) 58
Major in Library Science Requirements 30
LS 401, 402, 405, 406, 408, 409, 411, 416, 417, 426
Professional Education Requirements
for K-8 Certification 51
CIE 306, 309, 311 or 312, 330, 403, 412, 425 and
480 or 343 and 482; REF 469; EPY 370, 372, and 374;
ARE 309; MED 361, MAT 210 (may be taken under General Core), 310

Areas of Concentration for Certification

Students enrolled in the K-8 certification program are required to have two areas of concentration. An area of concentration in library science is automatically earned by students majoring in library science. By completing the professional education requirements for K-8 certification, the library science major also earns a second area of concentration in reading. Substitutions for the second area of concentration must be approved by the Dean of the School of Library Service.

REQUIREMENTS FOR A MAJOR IN LIBRARY SCIENCE

(K-12 Certification)

Students desiring certification as school library media specialists should complete the course requirements listed below.

	Hours
General Core Requirements (School of Library Service)	58
Major in Library Science Requirements	
LS 401, 402, 405, 406, 408, 409, 411, 416, 417 or 418, 426	30
Professional Education Requirements	
REF 300 and 469; EPY 372 and 374; CIS 313 and 492	24
Electives	16 to 24

Library Science majors are advised to concentrate elective hours in one area other than library science in order to qualify for Mississippi certification at the secondary teaching level. Students should see their adviser for information concerning additional certification.

REQUIREMENTS FOR A MINOR IN LIBRARY SCIENCE

Any student from any school or college in the University may elect a minor in library science providing he has the approval of his adviser and has officially notified the Office of the Dean of the School of Library Service of his interest in seeking a minor.

A minor is particularly recommended for those students who are majoring in arts and sciences or a professional field such as business but plan on seeking a graduate degree in library science after the completion of their baccalaureate studies.

The following 18 hours are required for a minor in library science: LS 401, 402, 405, 406, 411, 416.

Teaching Certification

Although students majoring in library science will normally receive their bachelor's degree as offered by the School of Library Service, all students who desire to be certified as school librarians—media specialists must also file a program plan with the Teacher Education Program within the College of Education and Psychology and be accepted by the Teacher Education Program. **The National Teachers Examinations are required of all candidates for teaching degrees.**

Advisement

Upon admission to the School, the student is assigned an adviser by the Office of the Dean. His adviser will approve his schedule each quarter, provide counsel when necessary and sign his application for degree as the first step toward meeting degree requirements.

Academic Suspensions

Students must maintain the academic standards, as stipulated in the Academic Requirements section of this **Bulletin,** to assure readmission each semester. Academic suspension requires the Dean's approval prior to readmission.

Waiver or Substitution of Major Requirements

Any waiver or substitution of major requirements must be approved by the Dean of the School.

Placement

The School cooperates with the University Placement Bureau in assisting its graduates in finding positions. The student is expected to establish a file with the Bureau two semesters before graduation to avail himself of the opportunities to be interviewed or contacted by the many libraries and governmental bodies interested in library science graduates.

Student Organizations and Financial Assistance

The School encourages students to join and actively support the activities of the Library Science Student Association. Students are urged to become student members of the

American Library Association and the Mississippi Library Association and to attend meetings of these organizations whenever possible. Often these professional conferences provide job placement services.

Some funds are available exclusively for financial assistance to deserving students in the School of Library Service. Inquiry should be directed to the Dean's Office. Students may also apply for financial assistance by writing to:

Director of Financial Aid
Southern Station, Box 101,
Hattiesburg, Mississippi 39401

SCHOOL OF NURSING

Elizabeth C. Harkins, Dean

Bain, Hicks

PURPOSE

The primary purpose of the undergraduate program in nursing is to provide the student with a sound preparation for nursing practice. The program of baccalaureate studies offers broad preparation in general education, as well as education for the professional practice of nursing. Courses in the liberal arts and humanities, the sciences and the professional components are selected to prepare the student to assume effectively his role as an individual, as a citizen, and as a professional practitioner. The primary purpose of the continuing education program in nursing is to improve nursing by offering opportunities for nurses to expand their knowledge and enlarge their sphere of interest through planned activities.

HISTORY

Following a year of planning and curriculum development, the first students were admitted to the School of Nursing in September, 1967. The School of Nursing received National League for Nursing accreditation in 1969. The first Bachelor of Science degrees with Nursing as a major were conferred in May, 1969.

ACCREDITATION

The School of Nursing program is accredited by the National League for Nursing. The School is approved by the Board of Trustees of State Institutions of Higher Learning and is a member of the National League for Nursing.

DEPARTMENT OF NURSING—BACCALAUREATE STUDIES (NSG—070)

Lucy S. Bates, Acting Chairman

C. Adams, Bartoo-Goldsmith, Bender, B. Bowman, M. Bryant,

Bryson, M. Carr, Denkler, Dubuisson, Eidson, Farrell, G. Ferguson,

Fleischer, Freeman, Haynie, J. Herrington, T. Hildman, Huch,

Kelly, Languirand, A. Lee, Lester, Lipscomb, P. Martin, M. McDowell,

McHenry, McNair, Nayak, D. Porter, Richeson, M. Sisemore, Stovall

The Department of Nursing—Baccalaureate Studies offers a program of study leading to the degree of Bachelor of Science in Nursing. Upon completion of the program, the graduate is prepared to function as a professional nurse practitioner in a variety of settings.

ADMISSION

Applicants for admission to the Baccalaureate Program of the School of Nursing must fulfill the general University requirements as described in the Admission Section of the **Bulletin**. In addition, the applicant must meet the progression criteria of the School of Nursing (see Promotion Policies).

Individual advisement is provided for all students. A special review and program plan prepared for students with advanced standing.

PROMOTION POLICIES

Students must (1) maintain a 2.0 grade point average in the natural and in the behavioral science courses—biology, chemistry, psychology and sociology; and (2) have earned a 2.3 grade point average at the completion of the Level II nursing courses. A 2.3 grade point average in nursing courses is required for graduation. A nursing course can be repeated only one time.

STUDENT ADVISEMENT

The Department of Baccalaureate Studies faculty are responsible for academic counseling of all students enrolled in the program. Each student admitted to the program will be assigned an adviser. The adviser will assist the student in planning a program of study toward the degree, approve his schedule each semester, provide counsel, and sign his application for degree.

FINANCIAL AID

There are scholarship and loan funds available exclusively to students enrolled in the School of Nursing. Nursing students are also eligible to apply for assistance through other resources provided to students enrolled in the University. All applications for assistance should be forwarded to the Director of Financial Aid.

EXPENSES

The general fees and expenses are the same for nursing students as for other University students. Additional expenses incurred by nursing students such as uniforms, books, insurance, student nurse organization fees, etc., are estimated as follows:

1st Year	2nd Year	3rd Year
$100.00	$75.00	$75.00

Travel: Students are responsible for arranging transportation to off-campus hospitals and other agencies which constitute part of the program.

CURRICULUM

The program of study for the Bachelor of Science in Nursing includes specified requirements in the physical and biological sciences, in the social and behavioral sciences, and in the humanities. These courses are selected and placed for their foundational and supportive contributions to the study of nursing. The clinical laboratory classes are conducted in demonstration rooms and in settings where nursing care is needed.

The curriculum in nursing is sequential; progression depends on successful completion of required courses in the preceding year.

Registered nurses may establish by examination a maximum of twenty-one (21) hours of credit in nursing. (See also Challenge Examinations.)

A student majoring in nursing must complete 130 hours including fifty (50) hours in nursing, the major, eighteen (18) hours in a selected minor, and fifty-seven (57) hours required by the cores of the University and the School of Nursing. Upon completion of this program of study, the student is eligible to write the State Board Test Pool Examination in the State of Mississippi.

COMMON REQUIREMENTS FOR A MAJOR IN NURSING

	Hours
English 101*, 102	6
Social Science	
ANT 102 or 212	3
SOC 101, 314, 450 (or PSY 455), SOC 460 (or PSY 360)	6-12
PSY 110, 375, 455 (or SOC 450), 360 (or SOC 460), 436	9-15
Natural Science	
CHE 101**, 251, 252	
BIO 220, 221, 222	9
MIC 401, 402	6
Genetics 451	3
Management 360	3
Mathematics 199 or 101	3
Public Address 111, 330	6

*If ACT less than 20 on English sub-test score, English 100 is prerequisite.
**If no high school chemistry, CHE 100 is a prerequisite.

Nursing 120, 121, 122 or 150***, 301, 302, 303, 305
306, 410, 420, 430, 440, 442, 450 5
Physical Education 2
Electives**** 9

***If Nursing 120, 121, 122 have not been completed.
****Electives-9 hours (includes 6 hours from humanities; may select literature, philosophy, history, religion, foreign language).

NURSING—CONTINUING EDUCATION STUDIES

Wynema McGrew, Chairman

Benjamin, J. Currie, Finnegan, Pritchett, Swansburg

Continuing Education Studies of the School of Nursing is accredited by the American Nurses Association and the National League for Nursing. This department offers credit and non-credit courses, workshops, conferences, and independent study modules for registered nurses throughout the State of Mississippi. The purpose of the program is to increase the quality of nursing care by providing means for nurses to update nursing knowledge and to acquire new knowledge and skill.

COLLEGE OF SCIENCE AND TECHNOLOGY

ACADEMIC OFFERINGS

Department	Major	Emphasis	Degree**
	(Pre-Professional Studies)***		
Biology	Biology*	Botany	BA,BS
		Fisheries Biology	
		Marine Biology	
		Wildlife Biology	
		Zoology	
Chemistry	Chemistry*	Non-ACS Certified	BS
		ACS Certified	
Computer Science and Statistics	Computer Science*	Computer Science	BS
		Systems Science	
	Computer Science—Data Processing	Data Processing	BS
	Computer Technology	Computer Technology	BS
	Statistics*	Statistics	BS
Construction and Architectural Technology	Architectural Technology	Architectural Technology	BS
	Building Construction Technology	Construction Technology	BS
Geology	Geology*	Geology	BS
Industrial Technology	Environmental Technology	Environmental Technology	BS
		Environmental Health—Industrial Hygiene	
		Environmental Health—Sanitation Technology	
	Industrial Technology	Industrial Technology	BS
		Electronics Technology	
		Electric Power Systems Technology	
	Mechanical Technology	Mechanical Technology	BS
Mathematics	Mathematics*	Mathematics	BA,BS
Medical Technology	Medical Technology	Medical Technology	BS
Microbiology	Food Science Technology	Food Science Technology	BS
	Microbiology*	Microbiology	BS
Physics and Astronomy	Physics*	Physics	BS
Polymer Science	Plastics Technology*	Plastics Technology	BS
	Polymer Science*	Polymer Science	BS

Science Education	Science Education*	Biology Education Chemistry Education Earth Science Education Physics Education	BS

*Indicates that a minor is available.
**Degree abbreviations: (BA) Bachelor of Arts, (BS) Bachelor of Science.
***Pre-Professional Studies are available in the following areas: Pre-Dental, Pre-Dental Hygiene, Pre-Engineering, Pre-Medical, Pre-Medical Records Administration, Pre-Optometry, Pre-Physical Therapy, Pre-Pharmacy, Pre-Veterinary Medicine.

COLLEGE OF SCIENCE AND TECHNOLOGY

Gary C. Wildman, Dean

Karen M. Yarbrough, Assistant to the Dean

The College of Science and Technology provides the student training in all of the classical fields of science, several contemporary multidisciplinary areas, and "career-oriented" technology degree programs.

The College of Science and Technology is organized into twelve departments and four institutes. The departments include Biology, Chemistry, Computer Science and Statistics, Construction and Architectural Technology, Geology, Industrial Technology, Mathematics, Medical Technology, Microbiology, Physics and Astronomy, Polymer Science, and Science Education. The institutes are the Institute of Environmental Science, the Institute of Genetics, the Institute of Microbiology and Related Sciences, and the Institute of Surface Coatings.

In addition to the degree programs that are synonymous with the above listed department names, curricula are offered in Environmental Technology, Mechanical Technology, Computer Technology, Food Science Technology, Plastics Technology, Pre-Engineering, and Pre-Professional health related science programs.

The College shares with the College of Education and Psychology joint responsibility for the Department of Science Education, embracing a sequence of courses titled Fundamentals of Science, and offering a major in science education for teachers.

A student wishing to obtain either a Bachelor of Science or Bachelor of Arts degree from the College of Science and Technology must complete the following College of Science and Technology requirements.

	Hours
ENG 101, 102, and 333	9
History	6
Science (includes Fundamentals of Science) fifteen hours; a minimum of 9 must be in laboratory sciences	15
Mathematics (not to include MAT 199)	9
Three hours from the following areas: religion, literature, allied arts, foreign language, philosophy	3
Nine hours from the following areas, with no more than three hours from any one area: political science, geography, sociology, psychology, economics	9
Physical Education or ROTC/AFROTC	2-3
Foreign language may be required at the option of the department.	
The student seeking a Bachelor of Arts degree must complete three (3) additional hours of English and meet the following requirement:	
*Foreign Language	6-9

*Students who have two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing six semester hours at the 200-level or above.

INSTITUTE OF GENETICS

Karen M. Yarbrough, Director

Peebles, Stoddard

The Institute of Genetics provides facilities for undergraduate and graduate education in genetics and services to University personnel and students as well as families throughout the community and region. Information regarding academic requirements may be obtained from the **Undergraduate Bulletin** or the **Graduate Bulletin** under the Department of Microbiology.

Members of the Institute's staff operate within the framework of the Center for Health Related Sciences in order to provide coordinated, comprehensive services. The Institute's services include chromosomal culturing and karyotyping, sex chromatin tests, dermatoglyphic studies and genetic counseling. These services are available at nominal fees on a referral basis or by applying directly to the Institute of Genetics.

THE UNIVERSITY CENTER FOR HEALTH RELATED SCIENCES

Karen M. Yarbrough, Director

Executive Council: Bates, Dickson, McCarthy, Rhodes, Sanford, Toom

PURPOSES AND RESPONSIBILITIES

The University of Southern Mississippi Center for Health Related Sciences (CHRS) is an innovative educational and clinical complex designed to provide health related services and academic training. Its purposes and responsibilities are:

1. to provide education and training for:
   a. University students seeking degrees in one of the health related fields; and
   b. practicing professionals or paraprofessionals who wish to gain further knowledge or experience in a specific or broad inter-disciplinary clinical program on a continuing basis;
2. to provide certain health related services not presently available to the University community, the local community, the State of Mississippi, and surrounding states, and to supplement existing services; and
3. to provide a proper setting for conducting applied and pure research in health related disciplines.

AFFILIATED PROGRAMS

Clinical Psychology. See College of Education and Psychology.
Family Life Services. See School of Home Economics.
Food and Nutrition (Dietetics). See School of Home Economics.
Gerontology. See School of Social Work.
Genetics. See College of Science and Technology.
Health Industries Management Training and Development. See College of Business Administration.
Medical Technology. See College of Science and Technology.
Nursing. See School of Nursing.
Social Work. See School of Social Work.
Speech and Hearing. See College of Liberal Arts.

AFFILIATED HOSPITALS

Ellisville State School, Ellisville, Mississippi
Forrest County General Hospital, Hattiesburg, Mississippi
Hinds General Hospital, Jackson, Mississippi
Memorial Hospital, Gulfport, Mississippi
Methodist Hospital, Hattiesburg, Mississippi
Singing River Hospital, Pascagoula, Mississippi
St. Dominic's Hospital, Jackson, Mississippi

PRE-PROFESSIONAL CURRICULA

B. J. Martin, Director

The Pre-Professional Curricula for health related sciences at the University of Southern Mississippi provide quality pre-professional training for students who plan to enter schools of medicine, dentistry, veterinary medicine, pharmacy, physical therapy, optometry, dental hygiene, and medical records administration.

RECOMMENDED PRE-MEDICAL AND PRE-DENTAL PROGRAM

Advisers: Griffin, Kelley, McCain, Martin, Pye, Scheetz

Course requirements for admission to most medical and dental schools are very similar. The program outlined below provides a basic plan for meeting the requirements for medical or dental school and also for earning a Bachelor of Science or Bachelor of Arts degree. The courses outlined indicate minimum course requirements for admission to medical or dental school.

Because of the keen competition for admission, most students earn a degree prior to entering professional school. However, it is possible to gain admission to professional school after completing the minimum course requirements plus enough additional approved electives for a total of 90 semester hours. Students entering professional school under this plan may be awarded a bachelor's degree by the University of Southern Mississippi upon successful completion of the first year of professional school provided that all hour and quality point requirements listed under "General Degree Requirements" in this **Bulletin** are met.

Each student will be assigned an adviser whose function is to assist in planning an individualized program of study that provides optimal preparation for professional school and also meets the needs and interests of each student.

Recommended Courses for Pre-Medical and Pre-Dental Program

	Hours
*CHE 101, 102, 103, 351, 352, 353	19
BIO 101, 102, 202, 411	16
PHY 101, 102, 103	9
ENG 101, 102, 300, 333	12
**MAT 101, 103, 171	9
HIS 101, 102 or 140, 141	6
Advanced Science	9
Approved electives	10

Degree applicants must complete 128 hours including core, major, and minor requirements.

*CHE 100 recommended when chemistry background is inadequate.
**Students with no high school algebra should take MAT 199.

Recommended Pre-Veterinary Medicine Program

B. J. Martin, Adviser

The appropriate academic preparation for students seeking admission to the College of Veterinary Medicine, Mississippi State University is two years of study including the courses listed below. This recommended program provides more than adequate preparation for admission to the veterinary program and the courses also may be applied toward a baccalaureate degree in the College of Science and Technology.

Students should apply for admission to the College of Veterinary Medicine during their second academic year in the pre-veterinary program and will receive notice concerning the action taken on their applications at the end of that year. Out of state students should consult the school of veterinary medicine they plan to attend about course requirements and work out a program that meets their specific needs with the pre-veterinary medicine adviser.

Recommended Courses for Pre-Veterinary Medicine Program

	Hours
CHE 101, 102, 103, 351, 352, 353	19
BIO 101, 102, 202	12
ENG 101, 102, 333	9
PHY 101, 102, 103	9
MAT 101, 103	6

Nine hours to be selected from the following:

Western Civilization	American History
Political Science	Sociology
Psychology	Allied Arts
Philosophy	

Eleven hours of science electives. These hours may be selected so they will apply toward a major in the College of Science and Technology.

RECOMMENDED PRE-PHARMACY PROGRAM

R. Scheetz, Adviser

Requirements for admission to most schools of pharmacy are two years of pre-pharmacy training. Students should obtain a copy of the catalog of the school of pharmacy where they plan to attend and with their academic adviser plan a course of study to meet their individual needs. The program outlined below meets admission requirements for the University of Mississippi School of Pharmacy.

Recommended Courses for Pre-Pharmacy Program

	Hours
CHE 101*, 102, 103, 351, 352, 353	19
BIO 101, 102, 202	12
PHY 101, 102, 103	9
ENG 101, 102	6
MAT 101**, 103	6
MIC 101	3
ECO 200	3
PSY 110	3
SOC 101	3
Approved electives	8

RECOMMENDED PRE-PHYSICAL THERAPY PROGRAM

A. Griffin, Adviser

Students following the program outlined below will meet the requirements for application to the two year physical therapy program, University of Mississippi Medical Center, Jackson, Miss. Students planning to enter programs at other schools should consult their adviser.

Recommended Courses for Pre-Physical Therapy Program

	Hours
BIO 101, 102, 202, 220*, 221, 222	21
CHE 101**, 102, 103	9
PHY 101, 102, 103	9
MAT 101***, 103	6
PSY 110, (PSY 375 or PSY 436, or EPY 370)	6
SOC 101	3
PA 111	3
Humanities electives****	9

*Biology 320, 321 may be substituted for BIO 220, 221, 222.
**Chemistry 100 is recommended for students with a weak chemistry background.
***Students with no high school algebra should take MAT 199.
****See adviser for choice of humanities electives.

The Pharmacy College Admission Test (PCAT) should be taken during the fall or spring semester of the second year.

RECOMMENDED PRE-OPTOMETRY PROGRAM

W. Pye, Adviser

Students who desire to attend a school of optometry must complete at least two academic years at a college or university. Specific course requirements vary with each school of optometry.

The pre-optometry student should obtain the catalogs of those schools of interest and tailor his/her program according to the specific requirements of each school. The following program is merely illustrative; organic chemistry is recommended in some programs, required in others.

Recommended Courses for Pre-Optometry Program

	Hours
CHE 101, 102, 103, 351, 352, 353	19
PHY 101, 102, 103	9
BIO 101, 102, 202	12
MAT 101, 103	6
ENG 101, 102	6
PSY 110, 360	6
HIS 140, 141	6
MIC 101	3
PS 101	3

RECOMMENDED PRE-DENTAL HYGIENE PROGRAM

D. Norris, Adviser

The University of Southern Mississippi offers a one-year pre-professional program in dental hygiene. Two additional years, leading to a certificate, are taken within the Department of Dental Hygiene, University of Mississippi Medical Center, for which admission is highly competitive. Additional information appears in the **Bulletin** of the Medical Center.

Recommended Courses for Pre-Dental Hygiene Program

	Hours
ENG 101, 102	6
CHE 100 or 101	3
BIO 101	4
SOC 101	3
PSY 110	3
PA 111	3
Electives	7

Two additional years taken in residence in a dental hygiene program.

NOTE: The Dental Hygiene Aptitute Test is required for admission to dental hygiene programs. It is offered in November, February, and May of each year; however, the results of the May examination are not usually considered for the class entering in September of that year. See your adviser for application forms for the DHAT early.

RECOMMENDED PROGRAM FOR PRE-MEDICAL RECORDS ADMINISTRATION

D. Norris, Adviser

The pre-professional curriculum outlined below prepares students for the two-year professional program within the Department of Medical Records Administration of the School of Health Related Professions, University of Mississippi Medical Center. This curriculum surpasses minimal curricular entrance requirements of the professional program, for which additional information appears in the **Bulletin** of the Medical Center. Acceptance

into the professional program is dependent upon the degree of preparation and level of academic achievement of candidates, is highly competitive, and is administered solely by the University of Mississippi. Students completing the professional program receive the B.S. degree in medical records administration from the University of Mississippi.

Recommended Courses for Pre-Medical Records Administration Program

	Hours
ENG 101, 102, 201, 332	12
BIO 101, 102, 202	12
MAT 101, 112	6
PSY 110, 251	6
FL 151, 152	6
BED 300, 352	6
CSS 100, 211	6
CHE 100	3
PS 111	3
MIC 401	3
SOC 101	3

Additional courses may be taken as electives during the second year of the program.
NOTE: The Allied Health Professions Admission Test is required as part of admission requirements to the professional program at UMC and should be taken the fall semester of the second year of the pre-professional program.

DEPARTMENT OF BIOLOGY (BIO—305)

Billy J. Grantham, Chairman

G. Anderson, Cake,* Cliburn, Fish, Gunter,* F. Howell, Howse*,
J. Kelley, Larsen, Martin, Norris, Overstreet,* Pessoney,
Ross, Rosso, Scheetz, B. Smith, Woodmansee,* Wooten

*Gulf Coast Research Laboratory

The Department of Biology prepares students to become professional zoologists or botanists, biology teachers, or fishery, wildlife, or marine biologists. The Department of Biology also offers pre-professional training in medicine, dentistry, pharmacy, veterinary, physical therapy, optometry, and dental hygiene.

Requirements for Major

A student majoring in the Department of Biology may elect one of several plans of study leading to either the Bachelor of Arts or the Bachelor of Science degree. Information concerning the Master of Science degree and the Doctor of Philosophy degree is in the **Graduate Bulletin.** A student's choice of a degree program should be determined in consultation with his adviser.

A. General Core Curriculum Requirements

A student majoring in the Department of Biology must satisfy the general core requirements of the College of Science and Technology.

B. Departmental Curriculum Requirements and Recommendations

1. Required courses
   a. BIO 101, 102, 202, 315, and GEN 402.
   b. Three (3) additional hours of botany at the 300-400-level.
   c. Three (3) additional hours of zoology at the 300-400-level.
   d. Additional courses in biology for a minimum of thirty-five (35) hours.
   e. CHE 101, 102, 103; 351, 352, 353. Students not planning to enter a graduate or medically associated program may take CHE 251, 252, 321 with the approval of the chairman.

The student majoring in the Department of Biology is encouraged to take as many additional courses as possible in chemistry, geology, mathematics, microbiology, and physics.

2. Recommended courses in special areas of emphasis

a. **Botany**—Departmental curriculum requirements, plus courses elected in botany with approval of adviser.

b. **Zoology**—Departmental curriculum requirements, plus courses elected in zoology with approval of adviser.

The following curricula are recommended by state and federal agencies as preparation for research positions.

c. **Marine Biology**—Departmental curriculum requirements, plus elected courses including BIO 423, 428, 429, 436, 437, 440, 444, 445, 461, 462, and 467; one summer at the Gulf Coast Research Laboratory recommended. CHE 311, 312, and PHY 101, 102, 103 recommended.

d. **Wildlife Biology**—Departmental curriculum requirements, plus elected courses in such subjects as BIO 339, 420, and 438; and at least nine (9) hours from BIO 428, 429, 441, 442, 457, 461, or 462.

e. **Fisheries Biology**—Departmental curriculum requirements, plus elected courses including eighteen (18) hours in BIO 399, 428, 429, 432, 433, 436, and 437, 438; and six (6) hours of aquatic biology such as BIO 440, 444, 445, 449, 453, 465, 466, and 467.

3. Recommended courses in areas of pre-professional training in medicine, dentistry, pharmacy, and veterinary science are outlined in this **Bulletin** in the beginning section of the College of Science and Technology.

GULF COAST RESEARCH LABORATORY

The University of Southern Mississippi is closely allied with the Gulf Coast Research Laboratory at Ocean Springs. Staff members and biology majors in both the graduate and undergraduate schools have been active participants in the work at the Gulf Coast Research Laboratory. It is strongly recommended that all majors in biology take at least a six-weeks' program in marine biology as offered at the Laboratory. The following courses are taught only at the Gulf Coast Research Laboratory: BIO 481, 483, 484, 485, 488, 489.

DEPARTMENT OF CHEMISTRY (CHE—320)

John H. Bedenbaugh, Chairman

A. Bedenbaugh, Creed, Elakovich, Fawcett, Griffin, J. Howell, McCain, Pinson, Toom, van Aller, Wertz, H. Williams

A student majoring in Chemistry must work toward the Bachelor of Science degree. For information concerning the Master of Science degree and the Doctor of Philosophy degree, see the **Graduate Bulletin**. A major in chemistry includes satisfaction of the general core requirements of the university and the College of Science and Technology and no less than thirty-six (36) semester hours of chemistry. A minor is not required.

REQUIREMENTS FOR A MAJOR IN CHEMISTRY (ACS CERTIFIED DEGREE)

The Department of Chemistry is accredited by the Division of Chemical Education of the American Chemical Society. A chemistry major may graduate as a chemist certified by the American Chemical Society. Degree certification required the following curriculum:

	Hours
University and College of Science and Technology Core Requirements (not including math and science)	29
Professional Requirements	
CHE 101, 102, 103, 311, 312, 351, 352, 353, 411, 431, 461, 462, 463	43
CHE electives to be chosen from 300, 400, 451, 452, 421, 422, 432, 441, 496	9
MAT 276, 277, 378, 405	12
PHY 201, 202, 203 or 101, 102, 103	9

Electives 26
Recommended electives are GEN 402, CSS 240, CSS 340, GLY 101, PHY 361, PSC 412, FL 121, 122, 221, 222, MAT 379

COMMON REQUIREMENTS FOR A MAJOR IN CHEMISTRY (NON-ACS CERTIFIED DEGREE)

A major in Chemistry will include not less than thirty-six semester hours of chemistry and must consist of:

	Hours
University and College of Science and Technology Core Requirements (not including math and science)	29
Professional Requirements	
CHE 101, 102, 103, 311, 312, 351, 352, 353, 461, 462, 463	36
MAT 276, 277	6

Recommended Companion courses
MAT 378, 379
PHY 101, 102, 103 or 201, 202, 203
Electives to complete the 128 semester hour degree requirement.

COMMON REQUIREMENTS FOR A MAJOR IN CHEMISTRY (SECONDARY EDUCATION DEGREE)

A major in Chemistry for secondary education will include not less than twenty-seven (27) hours and must consist of:
CHE 101, 102, 103, 311, 312, 351, 352, 353

DEPARTMENT OF COMPUTER SCIENCE AND STATISTICS (CSS—330)

Danny R. Carter, Chairman

Bisland, Burge, Burris, R. A. Cade, Dearmond, Hyatt, Nagurney, Rimes, Stewart

The Computer Science and Statistics Department is designed to meet the great demand for trained personnel in electronic computers, and statistics in business, science, engineering, government, and the academic world. Current course offerings provide for an academic major in computer science, data processing, computer technology, systems science, or statistics at the undergraduate level and a major in computer science or statistics at the graduate level.

The department has initiated a cooperative education program with industry for selective students. The students selected for this program attend school and work on alternate quarters.

COMMON REQUIREMENTS FOR A MAJOR IN COMPUTER SCIENCE

The courses required for a baccalaureate major in computer science are listed below by sets.

(A) CSS 240, 320, 340, 341, 342, 441, 460, 461
(B) CSS 323, 420, 421, 470, 471, 478
(C) CSS 415, 416, 417, 435, 436

Requirements for majors:

	Hours
(1) All courses from Set (A)	25
(2) Three courses from Set (B)	9
(3) Two courses from Set (C)	6
Total	40

A minor of eighteen (18) hours is also required. Suggested minors include the following: accounting, geography, mathematics, physics, industrial technology, or statistics.

COMMON REQUIREMENTS FOR A MAJOR IN STATISTICS

CSS 211, 212, 240, 320, 340, 415, 416, 417, 418, 422, 435, 436, 441

The remainder of the eighteen (18) hours is to be selected with the approval of the department chairman.

A minor of eighteen (18) hours is also required. Suggested minors include the following: computer science, geography, or mathematics.

COMMON REQUIREMENTS FOR A MAJOR IN DATA PROCESSING

This is an interdisciplinary major offered in conjunction with the Department of Accounting, College of Business Administration.

	Hours
College of Science and Technology Core Curriculum	52
GBA 295, MGT 360	6
ACC 201, 202, 301, 302, 320, 330, 401 or 409	21
CSS 211, 212, 240, 320, 340, 341, 342, 441, 442, 480	32

(A minor is not required.)

Requirements for an Emphasis in Systems Science

	Hours
CSS 100, 240, 320, 323, 324, 340, 341, 415, 416, 420, 421, 425, 476, 477	42
Technical electives	18
MAT 276, 277, 378, 379, 341, 405	21
PHY 201, 202, 203, 327, 421	15

COMMON REQUIREMENTS FOR A MAJOR IN COMPUTER TECHNOLOGY

	Hours
College of Science and Technology Core Curriculum	52
Major core	
CSS 240, 340, 341, 342, 370, 371, 372, 441	28
Specialty (select one)	
Software—CSS 460, 461, 462, 470, 471, 480	21
Scientific—CSS 320, 420, 421, 415-416, or 435-436, 460, 470	22

A minor of eighteen (18) hours is required. Industrial Technology is suggested.

DEPARTMENT OF CONSTRUCTION AND ARCHITECTURAL TECHNOLOGY (BCT—393) (ACT—392)

James W. Young, Chairman

Boutwell, McGowen, Marchman, Mathis, Salinas

The department offers two degree programs with emphasis in "career-oriented" education: Architectural Technology and Construction Technology. Students are encouraged to seek work experience related to their area of interest prior to graduation. Potential transfer students from junior colleges are encouraged to consult with their adviser and the University curricula adviser as early as possible before transferring.

ARCHITECTURAL TECHNOLOGY (ACT—392)

Ysidro Salinas, Program Adviser

This program provides the student with a technical background in architectural principles and physical sciences, balanced by a foundation of humanities, social sciences, and communications. Graduates find employment in architectural offices in specifications, contract documents, field construction inspection, and office management; residential design and construction; technical sales for building products; and the related areas of environmental design and planning. With appropriate experience, graduates may seek professional status. The recommended sequence of courses is as follows:

REQUIREMENTS FOR A MAJOR IN ARCHITECTURAL TECHNOLOGY

All students pursuing a major in Architectural Technology must complete 130 credits including the following requirements.

	Hours
General Core for the College	
ENG 101, 102, 333, ARE 207, ECO 200, MAT 276, PA 111, PE, PHY 105, Science, PS 101, and SOC 101	37
Departmental Curriculum Requirements	
ACT 148*, 251, 295, 304, 305, 351, 352, 353, 358, 375, 376, 377, 393, 394, 400, 401, 451, 452, 453 BCT 335, 371, 372, 373, 378, 379, and REI 330	78
Electives to complete 130 semester hour degree requirement with adviser's approval.	

*May be waived for high school drafting.

CONSTRUCTION TECHNOLOGY (BCT—393)

James W. Young, Program Adviser

The construction program is designed to educate the CONSTRUCTOR, utilizing a varied educational base of business management, building technology, construction, and socio-humanistic studies. Constructor graduates enter the industry in field and office engineering, estimating and project management of residential, commercial, industrial, heavy-highway, and utility construction. This program follows the subject area guidelines recommended by the American Council for Construction Education, and is affiliated with the Associated Schools of Construction. The recommended sequence of courses is as follows:

REQUIREMENTS FOR A MAJOR IN BUILDING CONSTRUCTION TECHNOLOGY

All students pursuing a major in Building Construction Technology must complete 132 credits including the following requirements.

	Hours
General Core for the College	
ENG 101, 102, 333, Humanities, MAT 133, 236, PE, PHY 105, Science, and Social Sciences, ECO 200, GLY 105	39
Departmental Curriculum Requirements:	
BCT 201, 335, 371, 372, 373, 378, 379, 383, 385, 386, 435, 436, 437; ACT 148*, 295, 304, 305, 375, 376, 377, CSS 240, GBA 295, and MGT 360	69
Electives to complete 132 semester hour degree requirement with adviser's approval.	

*May be waived for high school drafting.

DEPARTMENT OF GEOLOGY (GLY—340)

Oscar Paulson, Chairman

Bowen, B. W. Brown, Sundeen

Students may major in geology as preparation for careers in development of natural resources, regional and national planning, research, secondary education, college and university teaching, oceanography, exploration of the Earth and Space, environmental studies, and other allied occupations. A Bachelor of Science and graduate work through the master's degree are offered in the department.

High School Preparation. Secondary students planning to prepare for professional careers in the geological sciences should complete credits in biology, chemistry, and physics (if available), mathematics through second-year algebra, solid geometry, and trigonometry (or equivalent). Other desirable credits include foreign language, engineering drawing or similar courses in drafting and typing.

COMMON REQUIREMENTS FOR A MAJOR IN GEOLOGY

For the Bachelor of Science in Geology, the following courses, in addition to the requirements of the University Core and the College of Science and Technology, are required:

Mathematics through Analytic Geometry
Chemistry 101-102-103
Physics 101-102-103 (or 201-202-203) or 105-106
Geology 101, 102, 103, 104, 301, 302, 304, 308, 310, 341, 401, 403, and a six hour summer geology field course. The requirement for field geology may be met by taking summer geology courses offered at marine stations, such as the Gulf Coast Research Laboratory in Ocean Springs, Mississippi.

COMMON REQUIREMENTS FOR A MINOR IN GEOLOGY

A minor of eighteen (18) hours is also required. Suggested minors include the following: biology, chemistry, computer science, mathematics, physics, or general business.

GEOLOGY MINOR AND PREPARATION FOR SECONDARY EDUCATION, EARTH SCIENCE TEACHING

The following courses are suggested for students seeking a geology minor or preparation for earth science teaching in secondary schools: GLY 101, 102, 103, 104, 301, 304, 310, and 341.

DEPARTMENT OF INDUSTRIAL TECHNOLOGY

C. Howard Heiden, Chairman

W. Baldwin, Bogart, Brent, Lipscomb, Moore, Pierce

The Department of Industrial Technology encompasses programs with direct application to industry to include mechanical technology, electronic technology, electric power systems, industrial technology, and three related programs in environmental technology. These programs are designed to give the student a working knowledge of industrial applications of his or her technical speciality and an understanding of the basic supervisory skills such as management principles, safety awareness, and financial concepts. Electives in the humanities and social sciences are encouraged to give the student a greater awareness and understanding of his or her future role in society.

Suggested programs follow:

COMMON REQUIREMENTS FOR A MAJOR IN MECHANICAL TECHNOLOGY

Wesley Baldwin, John W. Lipscomb, Coordinators

All students pursuing a major in Mechanical Technology must complete the following requirements.

	Hours
General Core for the College of Science and Technology	53
Professional Requirements	
MAT 237	3
INT 148; ACT 375, 376	9
INT 300, 308, 249, 250, 350, 405, 407, 442	21
CSS 240	3
PHY 331	3
PSC 330	3
FIN 301	3
MGT 362	3
MET 320, 323, 361, 362, 400, 401, 441, 444	24
Electives as required.	

COMMON REQUIREMENTS FOR A MAJOR IN ENVIRONMENTAL TECHNOLOGY

Charles R. Brent, Coordinator

All students pursuing a major in Environmental Technology must complete the following requirements.

	Hours
General Core for the College of Science and Technology	53
Professional Requirements	
MAT 237 or 102	3
MIC 101	3
BIO 101, 102	6
ESC 105, 205, 301	5
CHE 251 or 351, 252 or 352	6
INT 148	3
GHY 101	3
GLY 101, 102 or CHE 300 (3 hrs.)	4
CSS 240	3

Requirements for an Emphasis in Environmental Technology

All students desiring an emphasis in Environmental Technology must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN ENVIRONMENTAL TECHNOLOGY.

	Hours
CHE 311, 312	8
BIO 461, 466	6
FIN 301	3
GHY 425	3
MIC 471	3
ESC 302, 401, 402, 403, 405, 411, 492	25
INT 400	3
Electives as required.	

Requirements for Emphasis in Environmental Health—Industrial Hygiene Technology

All students desiring an emphasis in Environmental Health—Industrial Health Technology must complete the following in addition to those listed in the section entitled COMMON REQUIREMENTS FOR A MAJOR IN ENVIRONMENTAL TECHNOLOGY.

	Hours
CHE 353	4
BIO 220, 221	6
PHY 361	3
FIN 301	3
MGT 386	3
SHS 221	3
MIC 471	3
HSE 330	3
ESC 302, 402, 403, 411, 431, 492	22
INT 400	3

Electives as required.

Requirements for Emphasis in Environmental Health—Sanitation Technology

All students desiring an emphasis in Environmental Health—Sanitation Technology must complete the following in addition to those listed in the section entitled COMMON REQUIREMENTS FOR A MAJOR IN ENVIRONMENTAL TECHNOLOGY.

	Hours
MIC 301, 308, 461, 471	12
BIO 424, 426, 470	9
CHE 311, 312, 321	9
CSS 211, 212	6
INT 400	3
FST 410	3
ECO 255	3
ESC 330, 401, 403, 405, 431, 492	22
Practicum	2

Electives as required.

COMMON REQUIREMENTS FOR A MAJOR IN INDUSTRIAL TECHNOLOGY

All students pursuing a major in Industrial Technology must complete the following requirements:

	Hours
General Core for the College of Science and Technology	53
Professional Requirements:	
CSS 100, 211 or 240	6
PSC 300	3
GBA 295 or FIN 301	3
INT 308, 400, 401	9
MGT 360 or 386	3
MET 444 or PHY 331	3

Requirements for an Emphasis in Industrial Technology

Joe Moore, Coordinator

All students desiring an emphasis in Industrial Technology must complete the following requirements in addition to those listed in the section above entitled COMMON REQUIREMENTS FOR A MAJOR IN INDUSTRIAL TECHNOLOGY.

	Hours
INT 148; ACT 375, 376	9
MGT 465	3
INT 300, 405, 406, 407, 408, 409, 440, 443	24
ESC 411, 431	8

Electives to complete at least the 128 semester hour degree requirement.

Requirements for an Emphasis in Electronics Technology

Ted Bogart, Coordinator

This is a two-plus-two program designed to offer the baccalaureate degree to students transferring from a junior college or recognized two-year technical institute. Enrolling students should have satisfactorily completed the following courses before entering.

	Hours
Network Analysis	6
Electronic Devices	3
Electronic Circuit Applications	6
Instrumentation and Measurements	6

In addition to those courses entitled COMMON REQUIREMENTS FOR A MAJOR IN INDUSTRIAL TECHNOLOGY students should complete the following courses for an emphasis in Electronics Technology.

	Hours
MAT 237	3
INT 312, 405 or 407, 413, 432, 433, 470	23
CSS Statistics (as approved)	3

Electives to complete at least the 128 semester hour degree requirement.

Requirements for an Emphasis in Electric Power Systems Technology

Ted Bogart, Coordinator

This is a two-plus-two program similar in content to Electronics Technology. In addition to those courses entitled COMMON REQUIREMENTS FOR A MAJOR IN INDUSTRIAL TECHNOLOGY students should have completed the following courses for an emphasis in Electric Power Systems Technology.

	Hours
MAT 237	3
INT 306, 312, 405, 407, 442, 443, 461, 462, 463	29

Electives to complete at least the 128 semester hour degree requirement.

PRE-ENGINEERING CURRICULUM OUTLINES

Wesley Baldwin, John W. Lipscomb, Coordinators

The following courses are designed to prepare students for entrance following the sophomore year into a 4-year baccalaureate degree program in engineering.

	Hours
MAT 171, 276, 277, 378, 379, 405	18
CHE 101, 102, 103	9
INT 148	3
ENG 101, 102	6
ROTC/AFROTC or MAT 111 or PED	3
CSS 240	3
ECO 256	3

PHY 201, 202, 203 9
INT 250 3
Technical and non-technical electives 18

Suggested technical electives for students planning to major in specific engineering disciplines:

Agricultural Engineering	BIO 101, 102, 255
Chemical Engineering	CHE 351, 352, 353
Civil Engineering	ESC 401, 402, 403
Electrical Engineering	PHY 421, 422, 423, 361, 362
Industrial Engineering	CSS 320, 415, 416, 422
Mechanical Engineering	PHY 331, 332, 350, 351
Petroleum Engineering	GLY 101, 103, 308, SCI 422, 426

DEPARTMENT OF MATHEMATICS (MAT—350)

Stephan Doblin, Acting Chairman

Betounes, Caveny, B. J. Davis, Dunigan, Essary, Hare,
N. Howell, Jeter, R. W. King, Knighton, E. Middleton,
L. Middleton, Morrell, V. Mullins, Oxford,
Pye, J. Thrash, Walls, Webster

The Department of Mathematics offers a flexible curriculum for baccalaureate degrees so that individual students may tailor their university mathematics programs to fit specific educational and career objectives. The Bachelor of Arts and Bachelor of Science degrees in mathematics provide sound foundations for a broad latitude of careers in education, industry, government, and commerce. Many of today's challenging careers call for continuing education, either formal or informal, after the bachelor's degree, and the undergraduate major in mathematics provides a versatile avenue for preparing for advanced studies in a number of fields including mathematics, computer science, statistics, management science, actuarial science, mathematics education, applied mathematics, law, and medicine. The Department of Mathematics offers the Master of Science degree, and, in cooperation with the College of Education and Psychology, the Master of Education, the Specialist, the Doctor of Education and the Doctor of Philosophy degrees. For information concerning degrees beyond the bachelor's degrees consult the **Graduate Bulletin.**

Students who have completed a college preparatory program in high school should begin their university mathematics program with MAT 171 and/or MAT 276. Students without this background should elect appropriate mathematics courses in consultation with their academic advisers. Mathematics majors should take MAT 341 and 326 concurrently with some of the calculus courses. Mathematics majors should **not** enroll in the courses MAT 112, 120, 131, 133, 199, 210, 236, 237, 310, or 312 which are designed to serve the special interests of students in other departments and colleges.

In order to facilitate the proper selection of courses for the mathematics major, the curriculum is divided into sets (A)—the mathematics core, and (B)—the upper level options.

A. MAT 276, 277, 326, 341, 378, 379
B. MAT courses numbered above 400 other than 410

Requirements for Majors: **Hours**

(1) All courses in Set A 18
(2) Five courses from Set B or four courses from Set B plus MAT 320 and MAT 370 15-18
Total 33-36

Recommendations for Minors: **Hours**

(1) All courses in Set A 18

(2) One or more courses from Set B. 3
Total 21

The curriculum of the Department of Mathematics is designed to meet the following objectives:

(i) prepare students for industrial or commercial employment,
(ii) prepare students to teach secondary school mathematics,
(iii) prepare students for graduate study in mathematics and related fields,
(iv) provide supportive courses for other degree programs in the University.

Each student, in consultation with a faculty adviser, should elect upper level options that are compatible with career objectives. Guidelines to assist in the selection of these options are available in the departmental office. Prospective secondary school teachers should satisfy certification requirements for the desired area of endorsement. In Mississippi the requirements for a Class A certificate with endorsement in mathematics are (i) and (ii) below:

(i) 15 semester hours to include algebra, trigonometry, analytical geometry, and calculus, 6 semester hours of which must be in calculus.
(ii) 9 semester hours chosen from at least two of the following areas: Abstract Algebra, Modern Geometry, Foundations of Mathematics, Probability and Statistics.

Prospective secondary school teachers should also complete the general education and professional education requirements for secondary teachers listed in this **Bulletin** under the description of programs in the Department of Curriculum and Instruction.

Each student majoring in mathematics is required to complete an approved minor area.

DEPARTMENT OF MEDICAL TECHNOLOGY (MTC—354)

Robert T. Crews, Chairman
Brundage, Goodwin, Harwell,
Hudson, Jenkins, Owen, C. Martin

Forrest General Hospital: R. Cooke, Keller
Hinds General Hospital: Ferguson, Henderson
Memorial Hospital at Gulfport: Atchison, Lopez, Gammard
Singing River Hospital: Barrett, Dore, Stith
Gulf Coast Community Hospital: Krecker, Monroe

COMMON REQUIREMENTS FOR A MAJOR IN MEDICAL TECHNOLOGY

A student majoring in the Department of Medical Technology must complete courses outlined for the freshman, sophomore, and junior years. During the junior year, the student will apply to the department for admission into the senior year. The fourth year of training consists of two phases: Phase I, a six-month clinical session at one of the affiliated hospitals. Affiliated hospitals are: Memorial Hospital, Gulfport; Forrest County General Hospital, Hattiesburg; Singing River Hospital, Pascagoula; Hinds General Hospital, Jackson; and Gulf Coast Community Hospital, Biloxi.

Two senior classes are accepted each year, one in June and one in December.

The Department of Medical Technology is accredited by the Council on Medical Education of the American Medical Association. Upon successful completion of the program, students receive the Bachelor of Science degree in Medical Technology and become eligible to take the National Registry Examination given by the Board of Registry, American Society of Clinical Pathologist. For information of the Master of Science degree, please consult the **Graduate Bulletin.**

	Hours
General Core for the College of Science and Technology	38
Professional Requirements	
BIO 101, 102, 202, 424, 425	18
CHE 101, 102, 103, 251, 252, 311, 312, 321, 322, 441	33
GEN 451	3
MIC 101, 411, 412, 441	12
MTC 101, 302, 306, 309, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 451, 452, 455, 456, 457, 458, 459	65
Elective	3

DEPARTMENT OF MICROBIOLOGY (MIC—310)

Peter K. Stocks, Chairman

Ellender, Middlebrooks, Peebles, Stoddard, Torrey, Yarbrough

The Department of Microbiology offers programs of study leading to the degrees of the Bachelor of Science, the Master of Science, the Doctor of Philosophy. For information on the master's and the Doctor of Philosophy programs please consult the **Graduate Bulletin.**

The Department of Microbiology is designed to prepare students for careers in medical and industrial (applied) microbiology, food science and technology, and genetics. Current course offerings provide for an undergraduate major in microbiology and food science and technology, or a minor in genetics.

COMMON REQUIREMENTS FOR A MAJOR IN MICROBIOLOGY

A student majoring in the Department of Microbiology must complete a minimum of thirty-two (32) semester hours including the following specific courses:

	Hours
General Core for the College of Science and Technology	53
MIC 101, 301, 408, 455	12
GEN 402, 403, 461	10
BIO 448, 449	6
CHE 101, 102, 103, 351, 352, 353	19
PHY 101, 102, 103	9

COMMON REQUIREMENTS FOR A MAJOR IN FOOD SCIENCE AND TECHNOLOGY

All students pursuing a major in Food Science and Technology must complete the following requirements.

	Hours
General Core for the College of Science and Technology	53
Professional Requirements	
FST 101, 310, 350, 450, 489	15
Electives from the disciplines of Microbiology, Chemistry, Food and Nutrition, Biology, Business Administration, and Industrial Technology are recommended to complete the 128 semester hour degree requirement.	

INSTITUTE OF GENETICS (GEN—312)

Karen M. Yarbrough, Director

Peebles, Stoddard

The Institute of Genetics participates in programs leading to the Master of Science and the Doctor of Philosophy degrees through the Department of Microbiology. Information

on these programs may be obtained from the **Graduate Bulletin**. The Institute of Genetics also offers a minor in genetics at the bachelor's level.

A minimum of eighteen (18) semester hours is required which should include GEN 402, 403, and 451. The remainder of the program is to be selected with the approval of the Director of the Institute of Genetics.

DEPARTMENT OF PHYSICS (PHY—360) AND ASTRONOMY (AST—365)

William E. Hughes, Chairman

Erikson, Folse, Rayborn, St. Clair, Spetz

The primary objectives of the Department of Physics are to provide students with sufficient basic information and technical skills in the various areas of physics so that they may be qualified to:

(a) Serve as teachers in secondary schools. A physics major for this group will include PHY 101, 102, 103 or PHY 201, 202, 203; PHY 341, 361, 362, plus 9 hours of any other physics courses above the 200-level (total 27 hours). Mathematics through Calculus is required.

(b) Serve as physicists in government or industry. Physics majors for this group will include PHY 101, 102, 103 or PHY 201, 202, 203; PHY 341, 350, 351, 361, 362, 421, 422, 423, 460 plus 6 hours of other physics courses above the 200-level (total 38 hours). The prerequisite mathematics for the physics courses may constitute the minor, or the student may elect to complete any allied science for the minor. CHE 101, 102, and 103 and mathematics through Differential Equations are required.

(c) Pursue professional work and graduate study in physics. It is the intent of the Physics Department to meet the recommendations of the **American Institute of Physics—National Science Foundation Committee on Curriculum for Undergraduate Physics Majors.** Any student planning to do graduate work in physics should consult the department about additional undergraduate credits in physics and mathematics. CHE 101, 102, and 103 are required.

NOTE: AST 311, 312, 313 do not fulfill the physics courses which may be elected in (b) and (c) above.

Leaflets giving outlines of undergraduate programs that will meet all departmental and University requirements are available from the departmental office. Students planning to major in physics should obtain these leaflets as soon as possible.

It is assumed that the high school mathematical preparation of entering freshman students includes Algebra I, Algebra II, geometry, and trigonometry.

DEPARTMENT OF POLYMER SCIENCE (PSC—370)

B. George Bufkin, Chairman

Burks, Hester, McCormick, Neidlinger, Seymour, Thames, Wildman

The Department of Polymer Science offers programs of study leading to the degrees of the Bachelor of Science in Polymer Science, the Bachelor of Science in Plastics Technology, the Master of Science in Polymer Science, and the Doctor of Philosophy in Polymer Science. For information concerning the master's and Doctor of Philosophy degree, see the **Graduate Bulletin.**

BACHELOR OF SCIENCE IN POLYMER SCIENCE

The objective of this curriculum is to prepare the graduate to enter the industrial community or to continue his studies at the graduate level. The Bachelor of Science in Polymer Science constitutes an interdisciplinary program of study and therefore, no minor is required.

COMMON REQUIREMENTS FOR A MAJOR IN POLYMER SCIENCE

	Hours
Polymer Science	31
Physics	9
Computer Science	3
Chemistry	22
Mathematics	18
Basic Core of the College of Science and Technology	
Electives	

A student entering this program should consult with his adviser concerning the identity and chronological order of the courses to be taken. The following is a suggested list of the scientific courses that should be taken:

PSC 301, 302, 303, 360, 361, 362, 401, 402, 403, 470, 471
PHY 201, 202, 203
CSS 240
CHE 101, 102, 103, 311, 351, 352, 353
MAT 171, 276, 277, 378, 379, 405

Each student is encouraged to complete an independent research project (PSC 490, 491) during his last two semesters. Additional electives from the College of Science and Technology and the College of Business Administration are selected according to each student's career plans.

Requirements from an Emphasis in Plastics Technology

The curriculum emphasis in Plastics Technology is designed to prepare the student to enter the rapidly expanding plastics industry. A plastics technology major will complete a minimum of forty-two (42) semester hours in the major field. No minor is required. Each student will be assigned an adviser to plan the proper course sequence within the student's interest. The following course outline is a suggested program of study:

Freshman

Core requirements plus CHE 101, 102, 103 and MAT 101, 103, 171. (Drafting, if none in high school.)

Sophomore

Complete core including physics, organic chemistry, calculus.

Junior and Senior

PSC 301, 302, 303, 360, 361, 362, 463, plus 21 hours selected from an approved list of courses available from the department.

Electives from the College of Science and Technology and the College of Business Administration are selected according to each student's career plans.

DEPARTMENT OF SCIENCE EDUCATION (SCE—380)

Including Fundamentals of Science (FS—390)

Bobby N. Irby, Chairman

Bellipanni, F. Brown, I. Brown, Craven, Dale,
Hurst, Matthews, Milkent, Sonnier, Story

The Department of Science Education is operated jointly by the College of Science and Technology and the College of Education and Psychology. The facilities are in the College of Science and Technology. Programs in teacher-education are in the College of Education and Psychology. Responsibility for the curriculum is shared jointly. Graduate programs are described in the **Graduate Bulletin.**

Objectives

The objectives of the Department of Science Education are: (1) to provide those courses in both the physical and biological sciences which would give a minimum degree of scientific literacy to all students; (2) to provide, in cooperation with the Department of Curriculum and Instruction, a curriculum in the sciences and science methods for elementary school teachers; (3) to provide programs for those students planning to teach the sciences at the secondary school level; (4) to provide programs leading to advanced degrees in science education; and, (5) to work with public schools in the development of curricula, workshops, science fairs, and other activities designed to improve science instruction at all public school levels.

Curriculum and Programs

The Department of Science Education is primarily concerned with teachers and prospective teachers of science. Although some students will be planning to teach a specific science discipline, current public school organization encourages diversification of training in the sciences for prospective science teachers. Therefore, familiarity with principles and concepts common to all the scientific disciplines should be a prerequisite for teacher training programs in science education. Hence, programs in science education are so organized as to give teachers and prospective teachers a broad understanding of several sciences, with the opportunity for enough specialization in one area to pursue advanced study.

All prospective science teachers at the junior and senior high school levels are expected to complete introductory courses in the four basic science areas—biology, chemistry, geology, and physics. One year of college mathematics is also required. With few exceptions, the first mathematics course would deal with analytical geometry.

Specialization in a particular science, depending upon the area, requires from twenty-three (23) to twenty-nine (29) semester hours credit in that area. Upon completion of the undergraduate program, the student would be certified to teach one or more specific sciences and general science. A general outline of the program is given below:

COMMON REQUIREMENTS FOR A MAJOR IN SCIENCE EDUCATION

All students pursuing a major in Science Education must complete the following requirements:

	Hours
General core for the College of Education and Psychology or the Core for the College of Science and Technology include 12 hours in English and 9 hours in mathematics	56
Basic Sciences. BIO 101, 102, 202; CHEM 101, 102, 103; GLY 101, 103; GHY 323 or 324; and PHY 101, 102, 103	39
Minor in Secondary Education	27
Science Specialization—(Select one area)	
Biology — three electives in Biology: MIC 101; GEN 402; CHEM 251, 252, 321	21
Chemistry — CHEM 311, 312, 351, 352, 353	17
Earth Science — GLY 341 and one elective; AST 311, 312, 313; GHY 223 or 224 and 425	21
Physics — three electives in Physics, PHY 361, 362; MAT 276	18

The scope of the science education program and the fact that many courses run in sequence and are offered at particular times of the year necessitate careful and frequent advisement of students. It cannot be over-emphasized that students should consult with their assigned adviser each semester. Failure to do so will most often result in unnecessary delays and hardships in completing the program.

The above program provides a broad background and some depth in all science areas, gives the prospective teacher an opportunity for considerable depth and specialization in one science area, and requires the necessary background courses in professional education for effective teaching.

Students in the College of Science and Technology and in the College of Education and Psychology can major in science education and minor in secondary education. The program as outlined above for science teachers meets the certification requirements in all states in the areas of biology, chemistry, physics, earth science, general science, and physical science.

FUNDAMENTALS OF SCIENCE (FS—390)

Fundamentals of Science: Two courses in general physical science and two courses in general biological science of three semester hours credit for each. These courses are designed to give the non-science major an acquaintance and understanding of certain fundamental principles of the major science disciplines.

Inasmuch as there is overlapping and duplication in these courses and those offered by various other science departments, the student should read carefully the limitations for each of the Fundaments of Science courses. Any questions should be answered by the student's adviser and/or the Department of Science Education prior to enrolling in these courses since they may be taken in any sequence the student chooses.

The FS 130 series is designed for elementary education and special education majors. These courses are sequential and they should be taken in numerical order.

UNIVERSITY OF SOUTHERN MISSISSIPPI
GULF PARK REGIONAL CAMPUS

Joe E. Holloway, Dean

G. Bullard, Burch, L. Crook, Daniel, Elias, Gardner, B. Lee,
Mendenhall, Ozerden, Pantin, Poulas, Sherry, B. E. Smith,
C. Thompson, Wallace, Wilder

The University of Southern Mississippi Gulf Park Regional Campus with locations both in Long Beach and at Keesler Air Force Base is part of a cooperative plan to offer comprehensive higher education on the Mississippi Gulf Coast. While the Mississippi Gulf Coast Junior College District administers local programs at the lower division level, the USM Gulf Park Regional Campus offers upper division and graduate level instruction to commuting students who wish to pursue their higher education goals at a pace of nine semester hours or less per quarter.

The Two-Plus-Two articulation agreement with the Mississippi Gulf Coast Junior College District assures a smooth transition for students who transfer from the Junior College's freshman-sophomore programs to the upper level degree programs at the Regional Campus. In order to take full advantage of the articulation and other benefits of the Two-Plus-Two agreement, the junior college student should initiate a Two-Plus-Two Pre-Admission Application (available from the Director of Student Services at either Gulf Park or the junior college) as soon as the student has decided upon a major area of study.

The Regional Campus enables the University of Southern Mississippi to bring its courses and program to residents of the Mississippi Gulf Coast. All courses and programs are offered through the appropriate departments and colleges on the Hattiesburg Campus. Accordingly, attendance at the USM Gulf Park Regional Campus fulfills residency requirements and there is no limitation on applicability of credit toward University of Southern Mississippi degrees (with the exception of the BS in Business Administration). Most of the policies governing the Regional Campus undergraduate programs are identical with those stated elsewhere in this **Bulletin.** Information unique to Regional Campus undergraduate programs is outlined below.

SCOPE

The USM Gulf Park Regional Campus provides a flexible delivery system designed to meet the educational needs of Coast citizens. Consequently, new courses and programs are added as student demand warrants and resources permit. A sufficient number of courses are now available so that Regional Campus students may earn their entire baccalaureate degree(s) with majors in the following areas: Business Administration, Business Administration with Real Estate emphasis, Computer Science, Computer Science-Data Processing, Computer Technology, Building Construction Technology, Criminal Justice, Elementary Education, English, History, Industrial Technology, Industrial Technology with Electronics emphasis, Industrial and Vocational Education with Post-Secondary Certification emphasis, Industrial and Vocational Education with Secondary Certification emphasis, Mathematics, Psychology, Paralegal Studies, Political Science, Secondary Education, Social Studies, and Special Education. As the scope of the Regional Campus program broadens in response to student demand, majors in other areas will become available. In addition to these degree completion programs, students can obtain a substantial amount of their baccalaureate degree requirements in other majors offered by the University of Southern Mississippi parent campus. Prospective students are invited to contact a Regional Campus adviser in order to discuss course availability in their area of special interest.

Accreditation

As an integral division of the University of Southern Mississippi, the USM Gulf Park Regional Campus is accredited by the Southern Association of Colleges and Schools—Commission on Colleges and by the National Council for the Accreditation of Teacher Education.

Admission

In keeping with the status of USM Gulf Park Regional Campus as an upper level institution, regular admission is open only to students who have attained junior standing (54 semester hours). The Regional Campus Dean can authorize special exceptions to this rule for persons who need a limited number of courses for specialized professional and/or cultural development. In other respects, admission requirements are identical with those outlined elsewhere in this **Bulletin.** In order to facilitate proper advisement and predetermination of admission status, students should furnish transcripts and complete applications for admission at least twenty days prior to registration. Students who are unable to meet this deadline may be provisionally admitted at registration. The University is in no way committed to continue enrollment, refund fees or tuition payments, grant grades, or otherwise award any credit if all of the required admission forms are not received on time or if the provisional student is found to be ineligible for admission. Transcripts of provisional students must be received by the middle of the quarter in which they register. Transcripts and the completed applications should be sent to the Director of Admissions and Records, USM Gulf Park Regional Campus, Long Beach, MS 39560.

Course Load

Students are permitted to carry nine (9) semester hours per quarter through the USM Gulf Park Regional Campus at Long Beach and Keesler Air Force Base. Credit workshops taken on the Regional Campus will be counted as part of the nine-hour load. The nine-hour limitation applies only to those courses taken at the USM Gulf Park Regional Campus at Long Beach and/or Keesler Air Force Base.

Honors

Special policies have been formulated in order to accord official recognition to students who achieve outstanding academic records. **Dean's List:** Students will be placed on the quarterly USM Gulf Park Regional Campus Dean's List if they attain a quality point ratio of 3.25 or above on an academic load of not less than six (6) semester hours (including Jackson County Resident Center credit). **Degrees with Honors:** USM Gulf Park Regional Campus students with exceptional academic records may be awarded degrees with honors or with highest honors. The residence requirements for such degree is not less than five (5) quarters with a load of not less than six (6) semester hours of credit each quarter (including Resident Center credit) and totaling not less than fifty-four (54) semester hours of credit with the University of Southern Mississippi. A degree with honors will be granted to a student who maintains a quality-point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a quality-point average of 3.8 or more.

Fees

All USM Gulf Park Regional Campus and USM Jackson County Resident Center student fees are assessed in accordance with the University's part-time student fee schedule quoted elsewhere in this **Bulletin.** Students who enroll concurrently between USM Hattiesburg Campus and USM Gulf Park Regional Campus must pay separate fees for the Regional Campus courses.

SPECIAL DEGREE PROGRAM

The Bachelor of Science degree with a major in Business Administration is awarded through the University of Southern Mississippi Gulf Park Regional Campus.

Basic Curriculum Outside Business Administration

The business administration graduate, though career oriented, must work and live in a changing society which will continually offer him personal and business challenges. Business and industry leaders must have a background which makes them cognizant of the past, articulate in many subjects, and adaptable to change. Therefore, the following courses from the arts and sciences have been selected for the purpose of providing the business administration student with a broad perspective and foundation upon which he can build his knowledge of basic business tools and specialized subjects.

It may be observed that the courses below include primarily those at the freshman and sophomore level. Unless advised to the contrary, the student may choose to substitute certain junior and senior level courses offered at USM Gulf Park if the courses are of particular interest to him.

	Hours
English 101, 102 — Freshman English	6
Social Science — Geography or political science	3
History — HIS 101, 102; 140, 141 (or advanced courses)	6
Mathematics 101, 112 (College algebra and applied algebra)	6
Public Address 111 (or advanced course)	3
Science (Biology, chemistry, fundamentals, geology, physics)	6
Humanities (Literature, allied arts, philosophy, foreign language, religion)	9
Behavioral Science (Anthropology, psychology, sociology)	6
Mathematics or science elective (MAT 312 recommended)	3
Elective (Behavioral science, computer science, social science, or math)	3
Physical Education, ROTC/AFROTC, or approved substitute	2 or 3
	53 or 54

Basic Business Core Curriculum For Business Administration Majors

The business courses listed below are required of all students majoring in Business Administration. These courses should provide the student with the basic tools which he must use for advanced courses as well as a broad understanding of the entire area of business and of the economy in which business and industry operate. Only those courses numbered 300 and above are offered at USM Gulf Park.

	Hours
ACC 201, 202 — Principles of Accounting I and II	6
ECO 255, 256 — Principles of Economics I and II	6
GBA 290 — Fundamentals of FORTRAN (or approved substitute: CSS 240, 342)	3
GBA 295 — Legal Environment of Business	3
ACC 300 — Administrative Accounting	3
MKT 300 — Principles of Marketing	3
ECO 301, 302 — Elementary Statistics I, II	6
ECO 330 — Money and Public Policy	3
MGT 360 — Fundamentals of Management	3
FIN 389 — Business Finance	3
MGT 485 — Administrative Policy	3
	42

Major Requirements

In the major field, the student must choose courses from several areas of Business Administration. He should select those from the variety of courses listed below. This will serve as a guide for the student as he selects those subjects in which he has an interest and which best suits his purpose.

	Hours
Major requirements as listed below	27
Economics and General Business Administration	6 or 9
*ECO 335 — Economics of the Firm	
GBA 311 — Advanced Business Law	
*GBA 375 — Managerial Communications	
GBA 415 — Government and Business	
Finance; Real Estate and Insurance	9 or 6
FIN 320 — Personal Finance	
FIN 352 — Principles of Investments	
*FIN 480 — Financial Management	
REI 325 — General Insurance	
REI 330 — Real Estate Principles	
REI 334 — Residential and Rural Valuation	

REI 340 — Real Estate Law
REI 345 — Property Management
REI 432 — Real Estate Finance

Management and Marketing 12
*MGT 364 — Personnel Management
MGT 370 — Labor Law & Legislation
MGT 386 — Safety Management
MGT 454 — Human Relations
MGT 484 — Problems in Personnel Management
MKT 330 — Salesmanship
MKT 342 — Principles of Retailing
MKT 355 — Principles of Advertising
MKT 380 — Industrial Marketing
*MKT 428 — Marketing Management
MKT 430 — Sales Management

*Required Courses
Free Electives 0-6
Total hours required for graduation ..... 128 or 129

USM JACKSON COUNTY RESIDENT CENTER

Gulf Coast area students are also served by a separate unit, the University of Southern Mississippi Jackson County Resident Center. Course offerings and scheduling are coordinated with the USM Gulf Park Regional Campus and although Jackson County is not authorized to grant degrees students are permitted to enroll concurrently at both locations.

RESIDENCE REQUIREMENTS

In order to meet residence requirements students must earn at least nine (9) hours of the bachelor's program on the degree completion campus from which the degree will be awarded.

UNIVERSITY OF SOUTHERN MISSISSIPPI-NATCHEZ

Billy W. Gore, Dean
L. Bowers, Carriere, Gibson, Hensley, Lindecamp,
Presley, Welsh

DEGREE PROGRAMS

The University of Southern Mississippi-Natchez offers at its Natchez campus the Bachelor of Science degree with a major in Elementary Education, the Bachelor of Science or a Bachelor of Arts with majors in English, History, Mathematics, or Criminal Justice, the Bachelor of Science degree in Secondary Education with majors in Social Studies, English, Mathematics, Business Education, Library Science, or Psychology. Additionally, the Master of Education degrees are offered in Elementary Education, Secondary Education, Educational Administration, and Business Administration. All of the above degree programs are offered through the respective departments at USM-Hattiesburg with coordinators, advisers, professional staff, and classes available on a continuing basis at the USM-Natchez campus.

With the exception of the residence hour requirements, degree programs at USM-Natchez follow regulations and curricular outlines found in the appropriate sections of this **Bulletin.**

In addition to the degree programs above, the University of Southern Mississippi-Natchez offers the Master of Science in Management. These programs are offered by the University at the Natchez campus only. A description of the Bachelor of Science in Business Administration degree will follow later in this **Bulletin.** A description of the Master of Science in Management may be found in the USM-Natchez section of the **Graduate Bulletin.**

Admission

Since the University of Southern Mississippi-Natchez is an upper level and graduate institution, admission to degree programs is open to students who have attained junior standing. However, students who have not attained junior standing and meet other requirements for admission to the University may be admitted on a per course basis as special students. In other respects, admission requirements are identical with those outlined earlier in this **Bulletin.** Transcripts and completed applications should be sent to the Director of Admissions and Records, USM-Natchez, Natchez, MS 39120.

Course Load

Undergraduate students may enroll at USM-Natchez for a maximum of nine (9) semester hours per quarter.

Residency Requirements

The following regulations serve in lieu of residence requirements for USM.

1. At least thirty-two (32) semester hours of credit must be earned at one, or a combination of, the University's three degree-granting campuses.
2. At least nine (9) of these thirty-two hours must be earned in the student's major field.
3. At least sixteen (16) of these thirty-two hours (exclusive of student teaching) must be taken at the USM-Natchez campus.

Honors

In keeping with USM-Natchez's status as a part-time institution, special policies have been formulated in order to accord official recognition to part-time students who achieve outstanding academic record. **Dean's List:** Students will be placed on the quarterly USM-Natchez Dean's List if they attain a quality point ratio of 3.25 or above on an academic load of not less than six (6) semester hours.

Degrees with Honors: Students with exceptional academic records may be awarded degrees with honors or with highest honors. The residence requirements for such degree is not less than five (5) quarters with a load of not less than six (6) semester hours of credit each quarter and totaling not less than fifty-four (54) semester hours of credit with the University of Southern Mississippi. A degree with honors will be granted to a student who maintains a quality-point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a quality-point average of 3.8 or more.

Supporting Programs

In addition to offering degree programs in the areas mentioned above USM-Natchez regularly schedules courses in support of many degrees offered only through the Hattiesburg campus, thereby enabling a student to earn a portion of his degree requirements locally.

Advisement

For the student's own protection, it is imperative that all program planning be accomplished in consultation with official academic advisers. A student pursuing a degree at USM-Natchez should consult with the departmental coordinator who is in charge of that degree program. Students pursuing degrees at the USM-Hattiesburg campus should consult with a professional adviser in their respective degree areas on that campus.

BACHELOR OF SCIENCE

(with the major in Business Administration)

Lindecamp and Parks, Coordinators

The degree of Bachelor of Science with the major in General Business is awarded by the University of Southern Mississippi, Natchez. Students are prepared to perform proficiently in beginning level managerial jobs, to think critically through problems that the beginning business manager will confront, and to contribute to society as productive, informed citizens.

Purposes

American society is increasingly aware of the growing need for managerial skills. The Bachelor of Science with the major in General Business is designed to prepare competent managers for business, for government, and for other non-profit organizations. To adapt himself to the technological and organizational changes which he will inevitably confront as a manager, the student is taught to think critically and analytically. He is prepared not only for proficiency as a beginning manager, but for professional growth and increasing competence throughout his career. Courses taken in liberal arts and scientific disciplines further prepare the student for his role as productive citizen by creating an appreciation for the enriching, cultural aspects of daily living.

Accreditation

The Bachelor of Science with the major in Business Administration is, as are all other programs of the University of Southern Mississippi-Natchez, operated under the auspices of the Southern Association of Colleges and Secondary Schools.

Student Advisement

The Departmental Coordinator in Business Administration is responsible for the academic advisement of students.

Expenses

Tuition is the same for Business Administration students as for all other students at USM-Natchez.

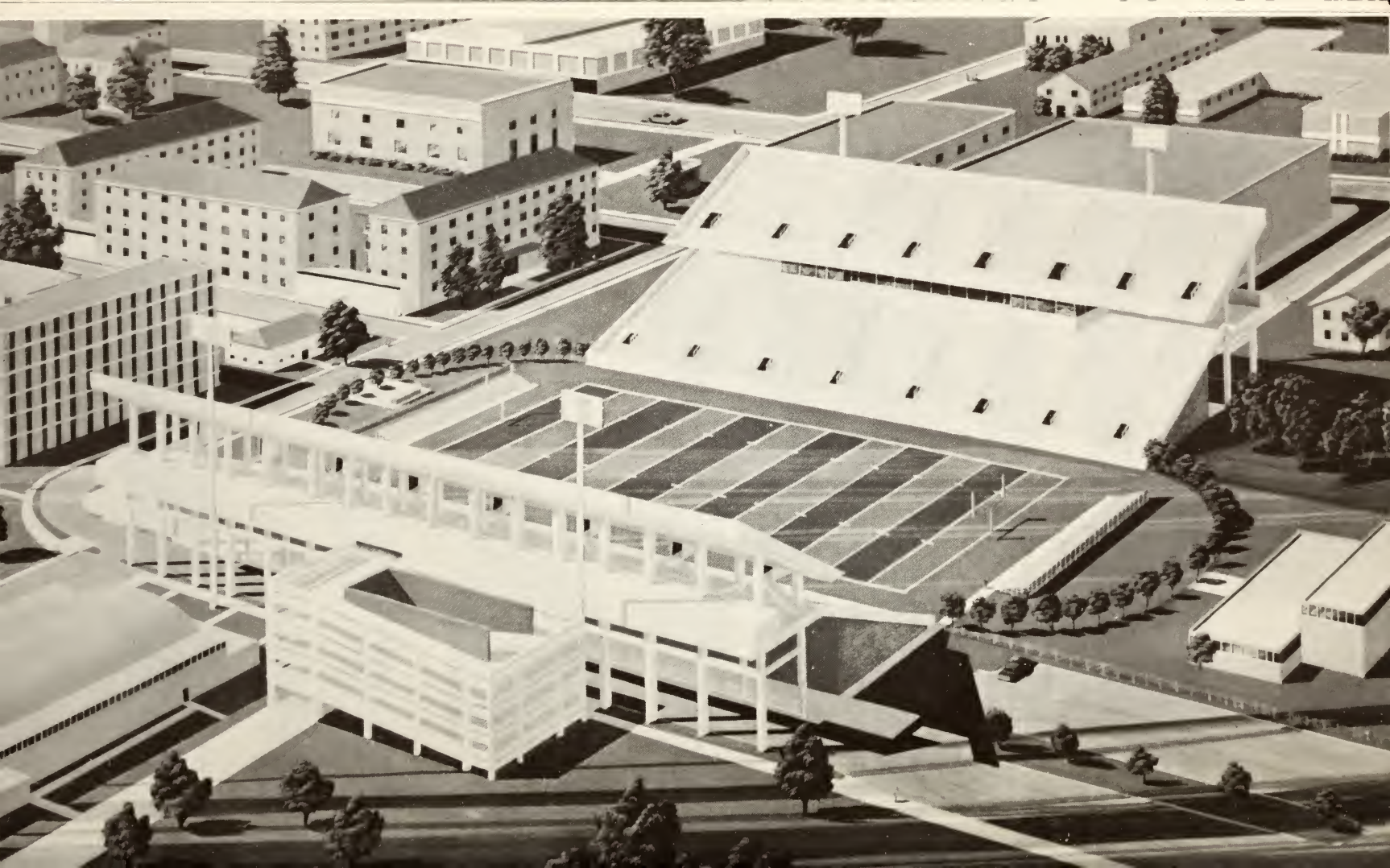
Business Administration courses at the University of Southern Mississippi-Natchez are limited to upper division and graduate courses. These are offered to commuting students of the Natchez region. Because of this limitation, the freshman and sophomore years' work

must be completed elsewhere. (Offerings of the Copiah-Lincoln Junior College's Natchez campus will fill this need.) The required freshman and sophomore level courses, which must be completed elsewhere, are as follows:

COMMON REQUIREMENTS FOR A MAJOR IN BUSINESS ADMINISTRATION

ENG 101, 102; ENG 351*** or History Elective; ENG 370* or History Elective;
ENG 371 or History Elective
MAT 101, 112; MAT, BIO, CHE, or FS Elective
BIO 101, 102 or FS 104, FS 105
GBA 290 or CSS 240, GBA 295, 375
PSY 110; SOC 101
HSE 101; PA 111
ACC 201, 202, 300
ECO 255, 256, 301, 302, 330
MGT 360; MGT 454 or GHY or PS Elective; MGT 364* or GHY or PS Elective; 485
MKT 300, 428; FIN 389, 480
ART 332, 337, 334, 335, or ENG
***PED/ROTC/AFROTC (2 hours)
ACC, ECO, FIN, GBA, REI, MGT or MKT electives to a total of 21 hours.***

*Students should take either MGT 364 or MGT 454
**Students should take either ENG 370 and 371 or ENG 350 and 351.
***Students should select one ECO elective; one FIN, GBA, or REI elective; one MKT elective; one MGT elective; a field emphasis of two courses from any of these fields or from ACC; and, one additional course from any of these fields.



DIVISION OF CONTINUING EDUCATION AND PUBLIC SERVICE

Clyde N. Ginn, Dean

Joseph E. Tinnon, Assistant Dean

The Division of Continuing Education and Public Service enables the University to extend its resources of knowledge, skills, and artistry to all who seek to profit from them. This is accomplished through the operation of the Departments of Independent Study, Conferences and Workshops, Community Service Programs, and Professional Development. In addition, courses are scheduled throughout the state which are designed to provide for the needs of individual populations.

DEPARTMENT OF INDEPENDENT STUDY

Billy W. Folkes, Director

The Department of Independent Study offers approximately one hundred courses which may be taken for University credit. These courses count for regular credit in the University and for approved credit on State Certificates for Teaching. As many as thirty-three (33) semester hours (no more than nine (9) in any one academic area) of the total 128 hour baccalaureate degree requirements may be earned in independent study courses, subject to the provisions outlined in detail in the Department of Independent Study 1977-1978 **Bulletin.**

Independent study courses are particularly suited to the needs of the student who wishes to move at his own rate, and for the student who is unable to attend a university. These courses allow the student to earn credit through the advantages of home study.

A complete high school curriculum is available through independent study, and courses are acceptable as entrance credits by the University. A High School Independent Study Catalog is available on request.

The Director of the Department of Independent Study serves as the statewide coordinator for The Great Decisions Program, sponsored nationally by The Foreign Policy Association. Great Decisions is an annual program of discussion among citizens meeting informally to discuss key foreign policy topics of critical importance to the United States.

For further information, contact:

Director, Department of Independent Study
University of Southern Mississippi
Southern Station, Box 56
Hattiesburg, Mississippi 39401

DEPARTMENT OF CONFERENCES AND WORKSHOPS

Donna Garvey, Director

The Department of Conferences and Workshops has the responsibility of coordinating the administrative and logistical details for all credit and non-credit conferences, institutes, workshops, clinics, camps, and special training program activities, sponsored by the University. This department stands ready at all times to assist University departments, and educational, professional business, and industrial groups in setting up conferences, institutes, workshops, or special training programs.

Either academic credit or continuing education unit (c.e.u.) credit may be awarded for conference, institute, or workshop attendance, provided the activity is offered through an existing course number or is given prior approval by the appropriate University council. The number of contact hours necessary for a three semester hour credit activity is equivalent to the number of contact hours necessary for satisfactory completion of a regular on-campus course. Activities awarding graduate credit are required to conform to special credit policies established by the Graduate Council.

Conveniently located and comfortable building facilities are available on or near the three University campuses and near the Universities' Center in Jackson for groups of any size. Meals and housing in air-conditioned facilities, all at nominal rates, are also available to individuals participating in both credit and non-credit programs at Hattiesburg and Gulf Park campuses. Additional conveniences include the location of motels, restaurants, shopping centers and recreational facilities within walking distance.

DEPARTMENT OF COMMUNITY SERVICES AND PROGRAMS

Brenda Hankins, Director

The Department of Community Services is set up to aid individuals, both university and non-university, in tapping the resources of the University in noncredit programs. Non-credit special interest classes are organized on the University's campuses. The department also assists groups and organizations who request the use of University facilities for meetings or other special non-credit activities. Other services provided by this department include assisting outside organizations such as high schools, junior and senior colleges, civic organizations, etc., in obtaining University talent. This talent may take the form of speakers, dramatic and musical groups, and many of the other resources representative of the University.

Recently instituted into the department's offerings is a Listener's License program, whereby individuals may "sit-in" on regular University courses on a non-credit basis without actively participating in the class and without being required to complete class requirements.

DEPARTMENT OF PROFESSIONAL DEVELOPMENT

Billy R. Folkes, Director

The Department of Professional Development is charged with the responsibility of organizing and administering all regular courses taught off-campus in locations other than degree granting centers of Gulf Park and Natchez. Such courses fall into four categories: (1) courses that comprise in-service training programs for various school systems; (2) refresher courses for various professional and business areas; (3) special service programs; (4) travel credit programs. The purpose of Professional Development is to offer additional educational opportunities to those individuals who have a desire to pursue particular studies apart from or beyond degree sequences and to those individuals with professional skills that require updating and upgrading.

UNIVERSITY OF SOUTHERN MISSISSIPPI-JACKSON

Brantley Greeson, Director

The University offers courses at the Universities' Center in Jackson as part of a cooperative program with other state universities. For information about offerings write:

USM-Jackson
The Universities' Center
1855 Eastover Drive
Jackson, MS 39211

or

Division of Continuing Education
and Public Service
Southern Station, Box 55
Hattiesburg, MS 39401

COURSE DESCRIPTIONS

INDEX OF ABBREVIATIONS FOR FIELDS OF INSTRUCTION

AA	Allied Arts
AAC	Athletic Administration and Coaching
ACC	Accounting
ACT	Architectural Technology
ADE	Adult Education
AMS	American Studies
ANT	Anthropology
AOS	Aerospace Studies
APM	Applied Music
ARE	Art Education
ART	Art
AST	Astronomy
BCT	Building Construction Technology
BED	Business Education
BIO	Biology
CD	Child Development
CHE	Chemistry
CIE	Elementary Education
CIS	Secondary Education
CJ	Criminal Justice
CLT	Comparative Literature
COM	Communication
CPY	Counseling Psychology
CSS	Computer Science and Statistics
CT	Clothing and Textiles
ECO	Economics
EDA	Educational Administration
ENG	English
EPY	Educational Psychology
ESC	Environmental Technology
EVD	Environmental Design
FIN	Finance
FL	Foreign Languages
FN	Food and Nutrition
FS	Fundamentals of Science
FST	Food Science and Technology
GBA	General Business Administration
GEN	Genetics
GHY	Geography
GLY	Geology
HEE	Home Economics Education
HHM	Housing and Home Management
HIS	History
HON	Honors College
HRA	Hotel and Restaurant Administration
HSE	Health and Safety Education; see also Athletic Administration and Coaching
HUM	Humanities
IAD	Institution Administration
INT	Industrial Technology
IVE	Industrial and Vocational Education
JOU	Journalism
LS	Library Science
MAT	Mathematics
MED	Music Education
MET	Mechanical Technology
MFL	Marriage and Family Life
MGT	Management
MIC	Microbiology
MKT	Marketing
MS	Military Science
MTC	Medical Technology
MUS	Music
NSG	Nursing
PA	Public Address
PED	Physical Education; see also Athletic Administration and Coaching
PHI	Philosophy
PHY	Physics
PS	Political Science
PSC	Polymer Science
PSY	Psychology
REC	Recreation
REF	Research and Foundations
REI	Real Estate and Insurance
REL	Religion
RTF	Radio-Television-Film
SCE	Science Education
SCI	Science
SHS	Speech and Hearing Sciences
SOC	Sociology
SPE	Special Education
SWK	Social Work
THE	Theatre Arts
THY	Therapy

EXPLANATION

The semester credit hours are listed after the title of each course.

Example:

201—**Principles of Accounting I.** 3 An introduction to financial information systems.

ACCOUNTING (ACC—605)

201—**Principles of Accounting I.** 3 An introduction to financial information systems. The function of accounting is illustrated through the development of concepts and methods, data collection, analysis, and reporting of financial information.

202—**Principles of Accounting II.** 3 Prerequisite: ACC 201. A continuation of ACC 201.

300—**Administrative Applications of Accounting.** 3 Prerequisite: ACC 202. The use of financial information for administrative decision making within the firm.

301—**Intermediate Accounting I.** 3 Prerequisite: ACC 202. An intensive study of financial statement theory and preparation.

302—**Intermediate Accounting II.** 3 Prerequisite: ACC 301. A continuation of ACC 301.

320—**Elementary Cost Accounting.** 3 Prerequisite: ACC 202. A study of cost accounting systems and methods.

330—**Federal Income Tax Accounting I.** 3 Prerequisite: ACC 301. The legal environment of business as affected by the federal income tax law and regulations, applicable principally to individuals.

401—**Advanced Accounting I.** 3 Prerequisite: ACC 302. A continuation of ACC 302.

402—**Advanced Accounting II.** 3 Prerequisite: ACC 401 or consent of instructor. A continuation of ACC 401.

405—**Current Accounting Theory and Research.** 3 Prerequisite: ACC 320, 402, 409 or consent of instructor. A study of the accounting literature with emphasis on contemporary problems.

409—**Auditing.** 3 Prerequisite: ACC 302. An introduction to the financial statement attest function.

410—**Auditing II.** 3 Prerequisite: ACC 409. An in-depth study of the auditor's attest function with emphasis on current literature and professional qualifying examinations. Will not satisfy the three-hour accounting elective.

420—**Advanced Cost Accounting and Budgeting.** 3 Prerequisite: ACC 320. A continuation of ACC 320 with emphasis on cost analysis for decision making.

430—**Federal Income Tax Accounting II.** 3 Prerequisite: ACC 330. The legal environment of business as affected by the federal income tax law and regulations, applicable to individuals, corporations, partnerships, estates, and trusts.

450—**Accounting Systems.** 3 Prerequisite: ACC 302. A study of the alternative methods of collecting accounting data.

480—**CPA Law Review.** 3 Prerequisites: FIN 311 and 24 hours of accounting beyond principles. A study of topics covered on the law section of the uniform CPA examination. Will not satisfy the three-hour accounting elective.

492—**Research in Accounting Problems.** 1-3 hrs. arr. Prerequisite: Senior standing and consent of instructor. Individual research on an approved topic of interest to the student.

ADULT EDUCATION (ADE—110)

440—**Methods and Materials in Adult Education.** 3 Reviews the uses and adaptation of various materials and techniques for teaching adults. Relates content and methods.

441—**Foundations of Reading Instruction for the Adult.** 3 Examines the basis of reading instruction in relation to the needs and characteristics of the non-literate adult.

442—**Methods and Materials for Teaching Adults to Read.** 3 Materials, diagnostic and evaluative procedures, and laboratory experiences will be included.

445—**Teaching the Disadvantaged Adult.** 3 Characteristics, needs, and problems are related to programs and procedures found to be successful.

476—**Learning in Adult Education.** 3 A study of learning in adulthood, and related to a range of educational programs.

490—**Special Problems in Adult Education.** 3 May be arranged for an individual or a group with common interests. Permission of the department chairman required.

494—**Student Teaching in Adult Education.** 9 Prerequisite: CIA 440 or 441 or 442 or IVE 431 or 435. For students who plan to teach in an adult education program or a post-secondary vocational center and who are not presently employed in such a program.

495—**Internship in Adult Education.** 9 A nine-months' supervised experience for practicing teachers of adults. Offered fall through spring only.

AEROSPACE STUDIES (AOS—202)

First-Year Aerospace Studies

101—**General Military Course.** 1 A beginning course to introduce the student to the Air Force ROTC Program and the contemporary Air Force.

102—**General Military Course.** 1 Examines the functions and employment of U.S. Strategic Offensive and Defensive Forces.

103—**General Military Course.** 1 Examines the functions and employment of U.S. General Purpose and U.S. Aerospace Forces.

Second-Year Aerospace Studies

201—**The Development Growth of Air Power.** 1 Events and personalities contributing to the development of air power as a primary element of national security.

202—**The Developmental Growth of Air Power.** 1 The concepts of employing air power and factors which have prompted research and technological change.

203—**The Developmental Growth of Air Power.** 1 The changing mission of the defense establishment, emphasizing the impact of air power on strategic thought.

Third-Year Aerospace Studies

311—**Military Leadership and Discipline.** 3 Examines the basic concepts of military law pertaining to leadership and the duties of an Air Force officer.

312—**Military Management Skills.** 3 Compares the functions of the Air Force commander and his staff with contemporary management theory.

313—**Military Leadership and Management.** 3 Examines leadership and management roles of the junior Air Force officer. Includes communications security.

Fourth-Year Aerospace Studies.

404—**Flight Instruction Program.** 2 Prerequisite: AOS 303 or permission of the instructor. Includes instruction in principles of flight, weather, and navigation.

411—**National Defense Forces in Contemporary American Society.** 3 The role and function of the professional military within a democratic society.

412—**National Defense Forces in Contemporary American Society.** 3 Focuses on the prerequisites for maintaining adequate national security forces.

413—**National Defense Forces in Contemporary American Society.** 3 Institutional structures involved in the formulation and implementation of U.S. Defense policies.

492—**Special Projects.** 1-3 hrs. arr.

ALLIED ARTS (AA—655)

100—**Introduction to the Arts.** 3 An overview of the fine arts with examination, through team teaching, of the nature of musical, plastic, and theatrical art forms.

AMERICAN STUDIES (AMS—204)

304—**Issues in America.** 3 Topics vary according to professor and department in which the course is offered. May be repeated for credit if content varies.

403—**Seminar in American Studies.** 3 Required of American Studies majors during senior year. Open to other majors with permission of professor.

492—**Special Problems.** 1-3 hrs. arr.

ANTHROPOLOGY (ANT—286)

101—**General Anthropology.** 3 A beginning course in anthropology stressing the origin and the evolution of man, culture, and society.

212—**Cultural Anthropology.** 3 A comparative approach to the analysis of human cultural and social diversity. Includes an outline survey of world culture areas.

301—**Physical Anthropology.** 3 Origin and description of the diverse races of man.

304—**Introduction to Archeology.** 3 Methods and findings of archeological research. Students will also have the opportunity to participate in a local "dig."

305—**Human Osteology.** 3 Applications of skeletal examination to forensic medicine, fossil man, diet, diseases, growth and development of ancient man.

311—**Language and Culture.** 3 Origin and inter-relationship of the major languages of the world.

312—**Peoples and Cultures of Europe.** 3 Ethnology of Europe and the adjacent North African and Middle Eastern territories.

313—**Peoples and Cultures of Africa.** 3 An ethnological survey of the major culture areas of the African continent with particular reference to Sub-Saharan Africa.

314—**Peoples and Cultures of Asia.** 3 Ethnological survey of Asia, Oceania, and Australasia.

315—**American Indian Cultures.** 3 Ethnological survey of the Americas stressing pre-Columbian and North American Indian cultures.

316—**Biblical Archeology.** 3 A survey of ancient Near Eastern peoples and cultures as reconstructed by anthropology and archeology.

320—**Urban Anthropology.** 3 Origin, evolution, and problems of urban communities including a survey of the techniques employed by urban anthropologists.

401—**Primate Behavior.** 3 Study of nonhuman Old and New World primates with regard to growth, behavior, social organization and ecology.

411—**Comparative Indo-European Studies.** 3 A comparative survey emphasizing the effective interpretation of archeological, historical, linguistic, and mythological data.

412—**Mythology and Folklore.** 3 A survey of the major folklore traditions.

413—**Anthropological Theory.** 3 A general survey of historical anthropological thought and of the major contemporary schools of anthropological theory.

414—**Methods and Field Work in Archeology.** 3 Methodology and techniques of archeological field work including participation in organized field projects.

420—**Culture and Ethnicity.** 3 An analysis of culture and ethnicity with special reference to the problem of modernization.

425—**Seminar in Anthropology.** 3 Guided research and discussion for anthropology majors.

434—**Primitive Religion.** 3 Beliefs and ritual in primitive society. Relationship between magic and early religion. Animism, animatism, ghost-worship, and cults of death.

492—**Special Problems.** 1-3 hrs. arr. A problem study to be approved by the department chairman.

ARCHITECTURAL TECHNOLOGY (ACT—392)

148—**Architectural Graphics.** 3 Principles of orthographic projection and related drafting techniques applied to architectural and mechanical systems.

251—**Architectural History.** 3 Analysis of man's achievements in the design and construction of major architectural developments from early times to the present.

295—**Surveying.** 3 Theory and practice in use of instruments for measuring distances, angles, etc., as applied in architecture and construction.

304—**Electrical Systems.** 3 Design, installation, and performance of electrical equipment for residential and commercial buildings.

305—**Mechanical Systems.** 3 Prerequisite: ACT 304. Design, installation, and performance of mechanical equipment.

351—**Architectural Design I.** 3 Analysis and problem solutions in the design and planning of residential buildings.

352—**Architectural Design II.** 3 Prerequisite: ACT 351. Design problems related to apartment complexes, fraternity and sorority houses.

353—**Architectural Design III.** 3 Prerequisite: ACT 352. Design problems related to motels and restaurants.

358—**Architectural Landscaping.** 3 Principles of landscaping as applied to the building environment.

375—**Statics.** 3 Prerequisite: MAT 133. Study of force systems as applied to architecture, construction, and engineering technology.

376—**Strength of Materials.** 3 Prerequisites: MAT 236, ACT 375. Fundamental structural principles and application of mathematics to structural theory.

377—**Structural Design.** 3 Prerequisite: ACT 376. Study of shear and bending moments, torsion, deflection, design of beams, columns, trusses, struts, etc.

392—**Special Problems.** 1-3 hrs. arr. Prerequisites: Junior standing and approval of faculty adviser.

393—**Architectural Rendering.** 3 Visual expression of architectural principles and structures. Perspectives, shades, shadows, colors, etc.

394—**Office Practice and Specifications.** 3 Contract documents, specifications writing, building standards, field inspection, and office management.

400—**Senior Project.** 3 hrs. arr. Prerequisite: Senior standing and approval of faculty adviser.

401—**Senior Project.** 3 hrs. arr. Prerequisite: Senior standing and approval of faculty adviser.

451—**Architectural Design IV.** 3 Prerequisite: ACT 353. Design problems related to office buildings and stores.

452—**Architectural Design V.** 3 Prerequisite: ACT 451. Design problems related to churches and religious education buildings.

453—**Architectural Design VI.** 3 Prerequisite: ACT 452. Design problems related to doctor's offices, medical clinics, and hospitals.

454—**Architectural Design VII.** 3 Prerequisite: ACT 453. Design problems related to educational facilities.

455—**Architectural Design VIII.** 3 Prerequisite: ACT 454. Design problems related to shopping centers.

456—**Architectural Design IX.** 3 Prerequisite: ACT 455. Design problems related to campus, urban, and city planning.

492—**Special Problems.** 1-3 hrs. arr. Prerequisites: Senior standing and approval of faculty adviser.

ART (ART—660)

(*Permission of instructor necessary)

101—**Drawing I.** 3 A study of the possibilities of drawing as the expression of a variety of ways of seeing and thinking.

102—**Drawing II.** 3 Prerequisite: ART 101*. A continuation of ART 101.

103—**Drawing III.** 3 Prerequisite: ART 102*. A continuation of ART 102.

111—**Design I.** 3 A study of the basic elemental relationships, plastic intergration factors, principles, and the ordering of them toward expression.

112—**Design II.** 3 Prerequisite: ART 111.* A continuation of the study of design with color theory and practice.

113—**Design III.** 3 Prerequisite: ART 112.* A continuation of the study of design emphasizing form/space structure and the movement from 2-D to 3-D space.

131—**Theoretical Foundations.** 3 A study of the scope and nature of the plastic expressions with some bases for criticism.

201—**Figure Drawing I.** 3 Prerequisite: *. Study of the structure and anatomy of the human figure. Drawing and study from the figure.

202—**Figure Drawing II.** 3 Prerequisite: *. Advanced study from the human figure involving composition and sustained drawings.

203—**Figure Drawing III.** 3 Prerequisite: *. Advanced drawing from the figure involving composition, expression and personal vision.

212—**Crafts.** 3 A study of the techniques and problems involved in the creation and design of jewelry. May not be used toward the major in art or art education.

213—**Crafts.** 3 A continuation of ART 212 with emphasis in lapidary work. May not be used toward the major in art or art education.

221—**Technical Foundations for Painting.** 3 Prerequisites: ART 103 and 113*. Experimental problems with traditional painting media and techniques.

251—**Ceramics.** 3 Traditional techniques in the forming, firing, and glazing of clay. May not be used toward the major or minor in art or art education.

301—**Drawing.** 3 Prerequisite: ART 103*. Expressive use of a variety of perspective systems.

304—**Workshop in Drawing.** 1 A variety of drawing experiences which may be pursued by students at various levels. May not be used toward the major or minor.

305—**Graphic Arts I.** 3 Prerequisites: ART 103 and 113. A study of techniques and design for linoleum-cut, wood-cut, wood-engraving, and seriography.

306—**Graphic Arts II.** 3 Prerequisite: ART 305. A study of techniques and design for intaglio. (Line-engraving, dry-point, and etching.)

307—**Graphic Arts III.** 3 Prerequisite: ART 306. A study of techniques and design for lithography.

311—**Design.** 3 Prerequisite: ART 113*. Studio problems in design, emphasis individual student needs.

312—**Design.** 3 Prerequisite: ART 113*. Studio problems in design, emphasis individual needs.

313—**Design.** 3 Prerequisite: ART 113*. Advanced studio problems in design.

321—**Painting I.** 3 Prerequisite: ART 221*. Introduction to problematic study of form in painting.

322—**Painting II.** 3 Prerequisite: ART 321*. Advanced problematic study of form in painting.

323—**Painting III.** 3 Prerequisite: ART 322*. Advanced problematic study of painterly form moving toward an introduction to personal expression.

324—**Workshop in Painting.** 1 Painting experiences which may be pursued by students at various levels. May not be used toward the major or minor.

331—**Directed Museum and Gallery Tour.** 1 An elective addendum to ART 131. Field trip and tour of galleries and museums for the viewing of original works.

332—**History of Art I.** 3 Ancient art. A survey course.

333—**History of Art II.** 3 Medieval art. A survey course.

334—**History of Art III.** 3 Renaissance and Baroque art. A survey course.

335—**History of Art IV.** 3 Nineteenth and twentieth century art. A survey course.

341—**Commercial Techniques I.** 3 Prerequisites: ART 103 and 113*. The rendering of objects and materials for commercial presentation.

342—**Commercial Techniques II.** 3 Prerequisites: ART 103 and 113*. Hand and precision lettering and advertising and show card layout.

343—**Commercial Techniques III.** 3 Prerequisites: ART 341, 342*. Study of commercial illustrative techniques and their application to layout problems.

344—**Illustration.** 3 Study of photographic illustration. Problems and techniques involving the relation of the medium to the subject.

351—**Three Dimensional Techniques.** 3 Prerequisite: ART 113. Experimental and traditional techniques in the manipulation of clay and plaster.

352—**Three Dimensional Techniques.** 3 Prerequisite: ART 113. Experimental and traditional techniques in manipulation of metal and wood.

412—**Crafts I.** 3 Prerequisite: ART 113. A study of the techniques and problems involved in the creation and design of jewelry.

413—**Crafts II.** 3 Prerequisite: ART 113 or ART 412. A continuation of ART 412 with emphasis in lapidary work.

414—**Crafts III.** 3 Prerequisite: ART 113 or ART 412. Techniques and problems involved in the creation and design of various fabrics with fibrous materials.

415—**Trends in Current Plastic Expression.** 3 A course designed to keep the student abreast of current trends in the plastic arts.

420—**Adapting Selected Current Art Trends.** 3 Art trends are identified and developed in terms of philosophies, practitioners, backgrounds, and techniques.

421—**Painting IV.** 3 Prerequisites: ART 323*. A personal search in painting. Class discussion and criticism.

422—**Painting V.** 3 Prerequisites: ART 421*. Advanced development of a personal language and statement in painting.

423—**Painting VI.** 3 Prerequisites: ART 422. A sustained individual effort in painting leading to the independent work of the senior project.

428—**Painting Project.** 3 Prerequisites: ART 422, 423*. Independent expressive problem in painting culminating with an exhibition.

431—**Ancient Art.** 3 Prerequisite: ART 332. Artistic achievements of the ancient world. A careful analysis of examples correlated with their background.

432—**Medieval Art.** 3 Prerequisite: ART 333. Art of the western civilizations from the fall of the Roman Empire to the end of the fourteenth century.

433—**Renaissance Art.** 3 Prerequisite: ART 333. Art of Italy, France, Germany, Spain, and the Low Countries from the close of the Middle Ages through the sixteenth century.

434—**Baroque and Rococo Art.** 3 Prerequisite: ART 333 and 334. The tracing of these movements through the western world from the close of the sixteenth through the eighteenth century.

435—**Nineteenth Century Art.** 3 Prerequisite: ART 334. An analysis of Neo-Classicism, Romanticism, and Impressionism.

436—**Twentieth Century Art.** 3 Prerequisite: ART 334. An analysis of Fauvism, Cubism, Futurism, Surrealism, and Expressionism.

441—**Graphic Communication I.** 3 Prerequisite: ART 343*. Problems in advertising design, with particular attention to modern reproduction methods.

442—**Graphic Communication II.** 3 Prerequisite: ART 441. Continuation of ART 441 including color separation techniques and typographic experiments.

443—**Graphic Communication III.** 3 Prerequisite: ART 442. A continuation of ART 442, with particular emphasis on professional procedure.

448—**Graphic Communication Project.** 3 Prerequisite: ART 443*. Project in advertising design and presentation involving considerable research. Seminar.

451—**Three Dimensional Expression.** 3 Prerequisite: ART 351. Aesthetic problems in three dimensional expression, emphasis clay or plaster.

452—**Three Dimensional Expression.** 3 Prerequisite: ART 352. Aesthetic problems in three dimensional expression, emphasis wood, metal, or plastics.

453—**Three Dimensional Expression.** 3 Prerequisite: ART 451. Utilitarian problems in three dimensional expression, emphasis clay.

454—**Three Dimensional Expression.** 3 Prerequisite: ART 452. Three dimensional expression, emphasis wood, metal, or plastics.

458—**Three Dimensional Design Project.** Prerequisites: ART 452 and 454. Project in three dimensional expression involving considerable research. Seminar.

ART EDUCATION (ART—665)

207—**Introductory Art.** 3 For non-art majors. Fundamentals of lettering, drawing, perspective light and shade, color theory, design, and display techniques.

309—**Elementary School Art.** 3 Prerequisite: ARE 207 (elementary education majors); ART 101 and ART 111 (art education majors). Art theory and techniques to the elementary classroom situation.

310—**Public School Art.** 3 Prerequisite: ARE 309. An application of art theory and techniques to the secondary classroom situation.

320—**Directed Tour of Exemplary Art Education Programs.** 3 Prerequisite: ARE 309 or 310. Observation of exemplary art education programs in operation in the U.S. or abroad.

392—**Special Projects for Teachers I, II.** 2 Prerequisite: ARE 207. Projects in art and methods of presentation to children in the elementary grades.

426—**Curriculum and Instruction in Art Education.** 3 A study of the art curriculums and instructional programs in the public schools in grades K through twelve.

491—**Art Education Workshop.** 2 A study of art education problems. This course may not be applied toward a degree in art education.

492—**Art Education Project.** 3 Prerequisite: ARE 309 and ARE 310. A research project in specialized art techniques as applied to the classroom situation.

ASTRONOMY (AST—365)

311—**General Astronomy.** 3 Prerequisite: MAT 101, 120, or 199. Introduction to the coordinate systems of the earth and celestial sphere, time and its applications. The solar system.

312—**General Astronomy.** 3 Prerequisite: MAT 101, 120, or 199. Astronomical relations of light, atomic theory, spectroscopy. Further topics on the solar system, comets and meteorites.

313—**General Astronomy.** 3 Prerequisite: MAT 101, 120, or 199. Astronomical measurements, star classifications, galaxies, and the stellar energy cycle.

315—**General Astronomy Laboratory.** 1 Corequisite: AST 311. Experiments in astronomical measurements.

316—**General Astronomy Laboratory.** 1 Corequisite: AST 312. Experiments in astronomical measurements.

317—**General Astronomy Laboratory.** 1 Corequisite: AST 313. Experiments in astronomical measurements.

ATHLETIC ADMINISTRATION AND COACHING (AAC—710)

210—**Varsity Football.** 1

211—**Varsity Basketball.** 1

212—**Varsity Baseball.** 1

213—**Varsity Track and Field.** 1

214—**Varsity Tennis.** 1

215—**Varsity Golf.** 1

240—**Techniques of Officiating Minor Sports.** 3 Personal skills and officiating techniques in varsity sports. To include track and field, swimming, golf, and tennis.

300—**Foundations and Trends in Athletics and Coaching.** 3 The role of athletics in society. The sociological, cultural, and ethical dealings with athletics as it relates to coaching.

303—**Organization and Administration of High School Athletics.** 3 The organizational and administrative procedures of major and minor sports programs.

320—**Basic Techniques of Coaching Football.** 3 The study of offensive and defensive fundamentals. The philosophies, terminology, strategy, and individual techniques used in football.

321—**Basic Techniques of Coaching Basketball.** 3 A study of basketball fundamentals. The history, philosophy, terminology, strategy, and individual techniques of basketball.

322—**Coaching Wrestling.** 2 Fundamentals of coaching wrestling as it relates to the selection of personnel, skills, and proper training procedures.

323—**Coaching Volleyball.** 2 Fundamentals of coaching volleyball as it relates to the selection of personnel, skills, and proper training procedures.

340—**Coaching Golf.** 2 Theoretical and practical approach to golf instruction. Course planning and maintenance, rules and etiquette, and tournament administration.

341—**Coaching Tennis.** 2 Techniques of coaching tennis. Construction and maintenance of tennis courts. Organization and administration of a tennis program.

360—**The Organization and Administration of Aquatics.** 3 Community and school swimming programs, pool operation, maintenance, and sanitation.

361—**Coaching Swimming and Diving.** 3 Fundamental principles involved in swimming and diving. Selection and placement of personnel, practice schedules, and training techniques.

362—**Life Saving and Water Safety.** 2 Prerequisite: Proficiency in swimming. American Red Cross Advanced Life Saving Certificate awarded upon course completion.

370—**Prevention and Care of Athletic Injuries.** 3 Theory and practice for the prospective trainer and coach.

371—**Diagnostic Techniques.** 3 A specialized course dealing with anatomy, injury symptoms, and specific tests to help make preliminary evaluation of injuries.

372—**Athletic Therapy Modalities.** 2 The theory and operation of the most commonly used therapeutic devices of the training room.

373—**Strength, Conditioning, and Rehabilitation.** 2 Building stronger athletes, developing maximum efficiency, and post-injury rehabilitation.

402—**Competitive Sports for Children and Youth.** 3 An analysis of the organization, administration, trends, and effects of competitive sports for children and youth.

403—**The Role of Women in Competitive Sports.** 3 A historical and theoretical analysis of fundamentals, techniques, methods, administrative procedures, and the implementation of Title IX.

404—**Equipment and Facilities for Competitive Athletics.** 3 The planning and administration of facilities to include purchasing, care, and inventory of equipment.

405—**Governing Agencies for Competitive Athletics.** 3 An indepth study of the governing agencies related to the administration and control of athletic competition.

409—**Psychological and Sociological Aspects of Coaching.** 3 The analysis and study of human behavior patterns as they relate to athletics.

420—**Techniques of Officiating Sports.** 3 Personal skills and officiating techniques of sports.

421—**Advanced Techniques of Coaching Football.** 3 Player selection, offensive and defensive formations, and game organization and strategy.

422—**Advanced Techniques of Coaching Basketball.** 3 The criteria of player selection with emphasis on the area of theory, principles, and techniques of offensive and defensive planning and strategy.

423—**Coaching Baseball.** 3 The study of advanced techniques of baseball. Emphasis placed on player selection and placement, team organization, and game strategy.

424—**Coaching Track and Field.** 3 Selecting personnel, fundamentals, and training techniques.

425—**Field Experience in Officiating Competitive Athletics.** 3 Prerequisite: AAC 240 and AAC 420. To provide an opportunity for practical experience in officiating competitive athletics.

460—**Water Safety Instructor's Course.** 2 Prerequisite: AAC 362. Knowledge and skills beyond the scope of Advanced Life Saving; certifying personnel to conduct water safety courses in schools and communities.

470—**Development of Athletic Attributes.** 3 The development and administering of strength, endurance, flexibility, reaction, speed, and agility programs.

471—**Practice Organization, Scouting, and Communication Techniques.** 3 Daily practice plans. Scouting techniques, cinematography, instructional materials, techniques and equipment for coaches.

472—**Field Experience in Athletic Training.** 3 During the senior year, all students working toward an athletic training certificate will be given actual practice in the field.

473—**Practicum in Athletic Administration and Coaching.** 1 hr. arr. Provision of experiences in the unique phases of the Department of Athletic Administration and Coaching program.

474—**Taping and Wrapping of Athletic Injuries.** 2 Prerequisite: AAC 370 and AAC 371. Practical taping and wrapping experiences consisting of observation and actual taping of all types of athletic injuries.

475—**Medical Aspects of Athletic Training.** 3 Team physician and trainer relationships. Physical examination, emergency equipment, medcial terminology, and problems related to the team doctor.

476—**Training Room Practice.** 3 Practical training room experiences consisting of observation and actual practice of training room techniques.

BIOLOGY (BIO—305)

101—**Principles of Animal Biology.** 4 An organism presentation of the lower animals, basic anatomy is discussed with emphasis on the ecology.

102—**Diversity of Plant Life.** 4 Basic anatomical structures and physiological processes of higher plants with minor emphasis on lower plants.

202—**Vertebrate Biology.** 4 Prerequisite: BIO 101. Anatomy and physiology of vertebrate systems. Correlation of structure and function is emphasized.

220—**Human Anatomy and Physiology I.** 3 Structure and function of cells and tissues, including respiration, muscle, and blood. No credit for biology majors.

221—**Human Anatomy and Physiology II.** 3 Structure and function of the cardiovascular, nervous, and digestive systems. No credit for biology majors.

222—**Human Anatomy and Physiology III.** 3 Structure and function of skeletal, endocrine, and urinogenital systems. No credit for biology majors.

250—**Ornamental Horticulture.** 3 Study of the factors necessary for the growth, propagation, recognition, and control of ornamental plants.

251—**Landscape Planning.** 3 Soil conditioning, shrubbery placement, and care and maintenance of managed landscapes.

255—**General Botany.** 3 Prerequisite: BIO 102. A study of plant form and function utilizing representative plant groups.

310—**Microtechnique.** 3 Prerequisite: Consent of instructor. Techniques for sectioning, mounting, and staining tissue and making whole mounts.

315—**Cellular Physiology.** 3 Prerequisites: 8 hours of biology, 9 hours of chemistry. Cellular anatomy, chemistry, and physics.

320—**Comparative Anatomy I.** 3 Prerequisites: Consent of instructor. Phylogeny of the chordates, with special emphasis on vertebrate organ systems.

321—**Comparative Anatomy II.** 3 Prerequisite: Consent of instructor. Phylogeny of the chordates, with laboratory work devoted to the study of mammals.

339—**Herpetology.** 3 Prerequisites: BIO 101, 102. Collection, preservation, identification, and distribution of amphibians and reptiles. Field trips when possible.

340—**Dendrology.** 3 Prerequisites: BIO 101, 102. The taxonomic and ecological characteristics, and the distribution of trees.

401—**History of Biology.** 2 Lectures and papers concerning the development of biological sciences.

410—**Electron Microscopy.** 3 Theory and use of the electron microscope and associated instrumentation, and darkroom techniques.

411—**Histology.** 4 Prerequisite: 12 hours of biology. Microscopic anatomy of mammalian organ systems.

415—**Pathobiology.** 3 Prerequisite: BIO 411. Principles of histopathology of vertebrates and invertebrates.

420—**Embryology.** 3 Prerequisites: BIO 101, 102. Maturation, fertilization, cleavage, histogenesis, and organogenesis.

422—**Experimental Embryology.** 3 Prerequisite: BIO 420. Factors which activate or regulate developmental processes.

423—**Protozoology.** 3 Prerequisites: BIO 101, 102. Introduction to parasitic and free-living protozoa.

424—**Human Protozoology.** 3 Prerequisites: BIO 101, 102. Life histories, epidemiology, and diagnostic characteristics of protozoans parasitic in man.

425—**Human Helminthology.** 3 Prerequisites: BIO 101, 102. Life histories, systematics, and host relationships of helminths of medical significance.

426—**Medical Entomology.** 3 Prerequisite: Consent of instructor. Arthropod vectors and agents of disease.

428—**Environmental Physiology.** 3 Physiological adaptations enabling animals to meet environmental challenges.

429—**Invertebrate Physiology.** 3 Prerequisite: 12 hours of biology. A functional approach to the major invertebrate phyla.

430—**Mammalian Physiology I.** 3 Prerequisites: BIO 101, 202, 321. Functioning of major mammalian systems emphasizing interrelationships and regulation.

431—**Mammalian Physiology II.** 3 Prerequisite: BIO 430. Study of system function, coordination, and control.

432—**Comparative Animal Physiology I.** 3 Prerequisites: 12 hours of biology, 9 hours of chemistry. Comparisons of systems and adaptations of animals.

433—**Comparative Animal Physiology II.** 3 Prerequisite: BIO 432. Comparison of animal function in relation to the environment.

434—**Endocrinology.** 3 Prerequisite: BIO 101, 202, or consent of instructor. Survey of the endocrine system and its regulation of physiological processes.

435—**Ethology.** 3 Prerequisite: BIO 202. Classical and current concepts of animal behavior including individual and social behavioral patterns.

436—**Invertebrate Zoology I.** 3 Prerequisites: BIO 101, 102. Survey of Invertebrate Phyla Protozoa to Annelida.

437—**Invertebrate Zoology II.** 3 Prerequisite: BIO 436. Survey of Invertebrate Phyla through Hemichordata.

438—**Entomology.** 3 Prerequisites: BIO 101 and 102. Structural adaptations, classification, life histories and habits, and the economic importance of insects.

439—**Arachnida Biology.** 3 Prerequisites: BIO 101, 102. Biology, morphology, and classification of the arachnids.

440—**Ichthyology.** 3 Prerequisites: BIO 101, 102, 202. Collection, preservation, and identification of local fresh water fishes and fish-like vertebrates.

441—**Ornithology.** 3 Prerequisites: BIO 320, 321 recommended. Morphology, taxonomy, life history, distribution, evolution, and adaptations of birds.

442—**Mammaology.** 3 Prerequisites: BIO 320, 321 recommended. Morphology, taxonomy, life history, distribution, evolution, and adaptations of mammals.

443—**Principles of Nomenclature.** 2 Prerequisite: Consent of instructor. Discussions and problems in biological nomenclature.

444—**Advanced Systematic Ichthyology.** 3 Prerequisite: BIO 440. Systematics, natural history, distribution, and economic importance of fishes.

445—**Introduction to Fishery Science.** 3 A survey of the biology, management, and potential yield of fish populations.

448—**Introductory Mycology.** 3 Prerequisite: Consent of instructor. Taxonomy, physiology, and biochemistry of fungi.

449—**Introductory Phycology.** 3 Prerequisite: Consent of instructor. Taxonomy, physiology, and biochemistry of the algae.

450—**Plant Anatomy.** 3 Prerequisite: BIO 102. A study of the anatomy of vascular plants.

451—**Morphology of Non-Vascular Plants.** 3 Prerequisite: BIO 101, 102. Life cycles, evolution, and study of algae, fungi, lichens, liverworts, and mosses.

452—**Morphology of Vascular Plants.** 3 Prerequisites: BIO 101, 102. Life cycles, evolution, and diagnostic characteristics of ferns, fern allies, and seed plants.

453—**Aquatic and Marsh Plants.** 3 Prerequisite: Consent of instructor. Collection, identification, and ecology of plants of fresh and brackish water.

454—**Plant Physiology.** 3 Prerequisites: General and organic chemistry recommended. The basic physiological processes of green plants.

455—**Economic Botany.** 3 Prerequisite: BIO 102 or consent of instructor. Origin, distribution, and significance of plants most important to man.

456—**Plant Pathology.** 3 Prerequisite: BIO 102. Taxonomy, physiology, and control of economically important plant pathogens.

457—**Taxonomy of Higher Plants.** 3 Prerequisites: BIO 101, 102. The classification of seed plants.

460—**Biogeography.** 2 Prerequisite: Consent of instructor. A descriptive and analytical study of the distribution of plants and animals.

461—**Ecology I.** 3 Prerequisites: BIO 101, 102, or consent of instructor. Environmental interrelationships of organisms to their environment.

462—**Ecology II.** 3 Prerequisite: BIO 461. Ecological effects of environmental factors and relationship of respiration and osmoregulation. Population growth.

465—**Freshwater Biology.** 3 Prerequisite: Consent of instructor. Collection, identification, and ecology of aquatic organisms significant to water quality.

466—**Limnology.** 3 Prerequisites: BIO 461 and 462 or consent of instructor. The physical, chemical, and biological conditions in lakes, ponds, and streams.

467—**Introduction to Biological Oceanography.** 3 Prerequisites: BIO 461 and 462. Topography, bottom sediments, and characteristics of sea water.

470—**Ecology of Parasitic and Vector-Borne Diseases.** 2 Prerequisite: Consent of instructor. Transmission and pathogenesis of parasitic and vectorborne diseases.

472—**Natural History of Animals.** 3 Prerequisite: Consent of instructor. Life histories of animals. Designed for teachers.

473—**Natural History of Plants.** 3 Prerequisite: Consent of instructor. Life histories of plants. Designed for teachers.

475—**Plant Ecology.** 3 Prerequisite: Advanced standing in botany. Relationship of plants to their environment.

492—**Biological Problems I, II, III, IV.** 1-6 hrs. arr. Courses in special techniques, designed for majors with a need for certain basic techniques as tools for research.

493—**Field Biology.** 2-6 hrs. arr. Ecological and taxonomic studies. Offered between quarters as 4- to 6-day field trips.

496—**Undergraduate Seminar I, II, III.** 1-3 hrs. arr. The presentation and discussions of current biological topics.

The Following Courses are Taught at the Gulf Coast Research Laboratory in Ocean Springs by the Gulf Coast Research Laboratory Staff

481—**Marine Vertebrate Zoology.** 6 Prerequisite: 16 hours of biology. Survey of marine chordates; fishes, reptiles, mammals, and shore birds.

483—**Marine Invertebrate Zoology.** 6 Prerequisites: 16 hours of biology. Morphology, distribution, and ecology of the phyla Protozoa through Protochordates.

485—**Parasites of Marine Animals.** 6 Prerequisite: Consent of instructor. Emphasis on morphology, taxonomy, life histories, and host-parasite relationships.

486—**Salt Marsh Ecology.** 4 The botanical aspects of local marshes; includes plant identification, composition and structure.

487—**Marine Aquaculture.** 4 Problems and procedures relating to the culture of commercially important crustaceans, fish, and mollusks.

488—**Introduction to Marine Zoology.** 4 Prerequisite: 8 hours of biology. An introduction to marine environment and local fauna.

489—**Marine Botany.** 4 Prerequisite: 10 hours of biology including botany. A survey, based upon local examples, of the principal groups of marine algae.

BUSINESS EDUCATION (BED—105)

101—**Elementary Typewriting.** 3 For **beginners.*** Acquiring keyboard control, developing correct typewriting techniques, and applying this skill to problems.

102—**Intermediate Typewriting.**** 3 A review of keyboard and manipulative controls, with emphasis on letter styles, manuscripts, and tabulated reports.

200—**Introduction to Business Communication.** 3 Basic mechanics of grammar usage and punctuation for business communications.

201—**Beginning Shorthand.** 3 For **beginners.*** Shorthand theory with practice; emphasis on fluency of reading and writing; some dictation and transcription.

202—**Intermediate Shorthand.**** 3 Completion of shorthand theory, with emphasis on dictation, pre-transcription factors, and transcription.

300—**Business Writing.** 3 Study and application of principles and techniques used in analyzing problems and writing effective business letters and memos.

302—**Foundations in Social Business Subjects.** 3 Concepts and principles of economic and business structures for economic literacy.

305—**Dictation and Transcription.**** 3 Automatic review of shorthand theory, with emphasis on speed and mailable transcripts.

310—**Advanced Typewriting.**** 3 Emphasis on speed and accuracy in preparing stencils, business forms, legal documents, tables, manuscripts, and letters.

340—**Adding and Calculator Machine Operation.** 2 Operation of rotary and printing calculators; full keyboard and ten-key adding machines.

352—**Filing Systems and Records Management.** 2 Study of major filing systems; rules for alphabetizing; application of filing to specific types of businesses.

354—**Problems in Typewriting.** 2 Techniques in skill building; speed and accuracy in typing a variety of office forms; emphasis on production work.

450—**Office Appliances.** 3 Operation of calculators, adding and posting machines, electric typewriters, mimeoscopes, transcribing and duplicating machines.

452—**Philosophy of Vocational Business Education.** 3 History; concepts, office systems, occupations, employment opportunities, procedures, and techniques.

453—**Coordination of Office Occupations Programs.** 3 Problems in developing office occupations programs to meet the needs of employees and businesses.

454—**Content and Methods of Distributive Education.** 3 Principles, concepts, program plans, curricula, methods and instructional materials, activities, research, and evaluation.

455—**Organization and Administration of Distributive Education.** 3 Basic problems, objectives, and characteristics of DE programs as applied in their development.

456—**Techniques of Coordination in Distributive Education.** 3 Techniques and problems encountered in coordinating DE programs.

460—**Office Management.** 3 Principles of management; office organization and supervision; layout, supplies, machines, personnel, forms, reports, and services.

471—**Advanced Dictation and Transcription.**** 3 Final theory review; emphasis on speed and transcription of mailable copy. Minimum passing grade—C.

472—**Executive Secretarial Shorthand.**** 3 Final emphasis on speed and transcription of mailable copy; focus on vocabulary in specialized fields.

475—**Legal Secretaryship.** 3 Prerequisite: BED 305 and 310 or equivalent. A course stressing the professional aspects of legal secretarial practices and procedures.

476—**Medical Office Procedures and Records Management.** 3 Emphasis on the professional aspects of the work of a medical secretary.

477—**Medical Transcription.** 3 Emphasis on medical terminology, records, forms, and letters, with limited transcription.

478—**Advanced Medical Transcription.** 3 Emphasis on additional medical terminology, with increased emphasis on transcription.

480—**Research and Report Writing.** 3 Concepts and methods of business research and style; problems in researching and reporting business data in written form.

485—**Office Practice and Procedures.** 3 Problems in secretarial work, along with the developing of desirable personality traits and good human relations.

492—**Special Problems in Business Education.** 1 Study approved and directed by the department chairman.

*A student with one year of typewriting in high school cannot get credit for BED 101, and a student with one year of shorthand in high school cannot get credit for BED 201. A student who has had more work than this in either or both fields should consult with the chairman of the Department of Business Education about the appropriate beginning courses for his program.

**Prerequisite for all typewriting and shorthand courses—Grade of C or better, or equivalent, in the preceding course.

CHEMISTRY (CHE—320)

100—**Introductory Chemistry.** 3 Prerequisite: High school algebra or MAT 199 or MAT 101, either of which may be taken concurrently. A preparatory course (for CHE 101) in chemical fundamentals; does not satisfy core requirements in College of Science and Technology or Schools of Nursing and Home Economics.

101—**General Chemistry I.** 3 Prerequisites: High school chemistry or CHE 100, and high school algebra or MAT 101 or MAT 199, which may be taken concurrently. Atomic and molecular structure and bonding, stoichiometry and the mole concept, physical properties of molecular substances and aqueous solutions.

102—**General Chemistry II.** 3 Prerequisites: CHE 101 and MAT 101. Basic principles of thermochemistry, chemical equilibrium, chemical dynamics, and types of solutions including gaseous, liquid, and solid.

103—**General Chemistry III.** 3 Prerequisite: CHE 102. Acid-base reactions, oxidation-reduction reactions, introduction to nuclear chemistry and selected organic and biochemical topics.

251—**Elementary Organic Chemistry I.** 3 Prerequisite: CHE 101. A short survey course in organic chemistry designed for students majoring in nursing and in some areas of home economics.

252—**Elementary Organic Chemistry II.** 3 Prerequisite: CHE 251. A continuation of CHE 251. CHE 251 and 252 should not be considered as a substitute for CHE 351, 352, 353.

300—**Chemical Safety.** 2 Prerequisite: CHE 252 or 353 or permission of the instructor. Hazards of various commonly used chemicals.

311—**Analytical Chemistry I.** 4 Prerequisite: CHE 103. Chemical equilibrium. Gravimetric, and volumetric analysis. Introductory instrumental analysis.

312—**Analytical Chemistry II.** 4 Prerequisite: CHE 311. A continuation of CHE 311.

321—**Elementary Biochemistry.** 3 Prerequisite: CHE 252. A one quarter survey course in biochemistry.

322—**Clinical Biochemistry.** 3 Prerequisite: CHE 321. A course designed to acquaint the student with the biochemical basis for clinical diagnosis.

351—**Organic Chemistry.** 3 Prerequisite: CHE 103. Introduction to the chemistry of aliphatic compounds, including nomenclature, reaction mechanisms, and stereochemistry.

352—**Organic Chemistry.** 3 Prerequisite: CHE 351. Monofunctional organic compounds (aromatics, halides, alcohols, ethers, and acids) and their spectroscopic analysis.

353—**Organic Chemistry.** 4 Prerequisite: CHE 352. Continued study of monofunctional (aldehydes, ketones, acid derivatives, amines, phenols) and several polyfuctional (carbohydrates, amino acids, proteins) compounds.

361—**Physical Chemistry for Pre-Medical and Biological Sciences Students.** 4 Prerequisites: MAT 103 and CHE 312. Gas laws, kinetics, equilibrium and free energy, electrochemistry, pH, buffers, and membrane phenomena.

362—**Physical Chemistry for Pre-Medical and Biological Sciences Students.** 4 Prerequisite: 361. A continuation of 361. CHE 361 and 362 are not to be taken by chemistry majors.

400—**Chemical Literature.** 1 Prerequisite: CHE 353 and 312. The selection and use of the reference materials of chemistry: periodicals, journals, texts, patents, and other sources of information.

401—**Glass Blowing.** 2 Simple operations of glass blowing to enable the student to make common apparatus.

402—**Chemistry of the Atmosphere.** 4 Prerequisite: CHE 312. Radiocarbon cycle, atmospheric photochemistry, weather patterns, greenhouse effect, combustion pollutants, health hazards, etc.

403—**Industrial Chemistry.** 3 Prerequisite: Permission of the instructor. Important processes used in industry. Invited industrial representatives and plant visits keep the topics current and useful.

411—**Instrumental Analysis.** 4 Prerequisite: CHE 353 and 312. Theory and practice of analytical instrumentation; absorption spectroscopy, chromatography, mass spectroscopy, and magnetic resonance.

421—**Introduction to Biochemistry.** 4 Prerequisite: 353. The properties of amino acids, proteins, carbohydrates, lipids, and nucleic acids; actions of enzymes and protein synthesis.

422—**Intermediary Metabolism.** 4 Prerequisite: 421. Major metabolic pathways with emphasis on energy considerations and inter-relationships of the pathways.

431—**Inorganic Chemistry.** 3 Prerequisite: CHE 353 and 312. Models, concepts, bonding and periodic trends in inorganic chemistry.

432—**Descriptive Inorganic Chemistry.** 3 Prerequisite: CHE 431. Models, properties, reactions, and synthesis of inorganic compounds and complexes.

441—**Application of Nuclear Techniques.** 4 Prerequisite: CHE 103. Applied biological, chemical, environmental, etc., problems. Topics: radio-isotope handling, radiation detection, shielding, tracer techniques, etc.

451—**Qualitative Organic Analysis I.** 2 Prerequisite: CHE 353. The systematic identification of pure organic chemicals.

452—**Qualitative Organic Analysis II.** 2 Prerequisite: CHE 451. The analysis of mixtures, with emphasis on chromatographic separation techniques and spectroscopic methods of analysis.

461—**Physical Chemistry.** 3 Prerequisites: MAT 277 and CHE 353. Chemical thermodynamics, kinetics, surface phenomena, quantum chemistry, symmetry, spectroscopy, and molecular structure.

462—**Physical Chemistry.** 3 Prerequisite: CHE 461. A continuation of CHE 461.

463—**Physical Chemistry.** 3 Prerequisite: CHE 462. A continuation of CHE 462.

496—**Special Projects I.** 1-3 hrs. arr. Prerequisite: Permission of faculty. Library and laboratory research on a problem chosen in consultation with the adviser.

CHILD DEVELOPMENT (CD—805)

350—**Child Development.** 3 Designed to create interest in preschool children and to foster understanding to their development and behavior patterns.

351—**Home and Preschool Relationships.** 3 Study of relationships of parents and children with emphasis on principles, procedures, and methods of working with parents in groups or individually.

359—**Preschool Teachers' Workshop I, II, III.** 1 hr. arr. For teachers, administrators, and educational leaders of preschool centers with emphasis on administration, curriculum, and other appropriate subjects.

450—**Administration of Preschool Programs.** 3 A course in the organizational structure and management of various preschool programs.

451—**Infant Development.** 3 Emphasis will be given to the development and behavior of the infant.

452—**Child Development Methods and Materials.** 3 Provisions are made to evaluate and select materials for use in developing teaching techniques and planning play activities for children.

453—**Creative Activities for the Preschool Child.** 3 A study of creative activities for preschool children with practical experiences provided.

454—**Participation Experiences in the Infant Development Center.** 3 hrs. arr. Prerequisite: CD 452. Directed participation as an assistant in the Infant Development Center for one semester.

455—**Supervised Participation.** 4 hrs. arr. Prerequisite: CD 452. Directed participation as an assistant in the Nursery School for one semester.

459—**Symposium in Child Development.** 3 hrs. arr. Prerequisite: Consent of instructor. A study of theories and recent research used in preschool education.

492—**Special Problems in Child Development.** 1-4 hrs. arr. Prerequisites: CD 350 and consent of instructor.

CLOTHING AND TEXTILES (CT—810)

131—**Selection of Clothing and Textiles.** 3 Understanding and applying the fundamental principles of garment construction.

221—**Fashion Modeling and Fashion Show Production.** 3 Basic principles of fashion modeling and fashion show production.

230—**Fabric Appointments.** 3 Prerequisite: Permission of instructor. Selection of materials for techniques involved in constructing draperies, slip covers, wall hangings, etc.

321—**New York Study Tour.** 2 hrs. arr. Alternate years. Planned tour to New York with emphasis on clothing, textiles, fashion, and interiors. Junior or senior standing.

328—**Fashion Display.** 2 Prerequisite: ART 111 or ARE 207. Study available resources of display materials and laboratory experiences in fashion display.

330—**Consumer Textiles.** 3 Study of textile fibers, fabrics, finishes, and legislation as related to serviceability.

331—**Garment Selection and Wardrobe Planning.** 3 Selection of garments through comparative buying techniques on basis of need, cost, and serviceability.

332—**Art Related to the Home and Dress.** 3 Prerequisites: ART 111 or ARE 207. Experiences in perceiving visual design elements as they relate to the home and dress.

333—**Family Clothing.** 3 Prerequisite: CT 131. Interpreting and solving problems associated with clothing a family, with laboratory emphasis on advanced clothing construction and pattern alteration.

334—**Textiles.** 3 Prerequisites: CHE 101, 102; CT 330. Study of textile products and evaluation of characteristics relating to end-use performance.

335—**Clothes and Cultures.** 3 Cultural and economic factors concurrent to the adoption and abandonment of dress from ancient times to the present.

336—**Tailoring Men's Wear.** 3 Prerequisite: CT 333 or equivalent. Basic principles and techniques of tailoring applicable to the construction of men's suits.

337—**Quality Recognition of Fashion Apparel.** 3 Prerequisites: CT 131, 330. To become familiar with the variety and quality of materials used in the production of apparel.

430—**Textile Product Evaluation.** 3 Prerequisites: CT 330 and 334, ECO 301, or approval of instructor. Testing textile fabrics by ASTM and AATCC methods; planning, conducting, and interpreting textile research.

431—**Tailoring.** 3 Prerequisite: CT 333 or equivalent. Principles and techniques of tailoring applied to a woman's suit or coat.

432—**Textile Economics.** 3 Prerequisites: ECO 255 and 256. A study of the economic principles involved in the production, distribution, and consumption of textile products.

433—**Flat Pattern Design.** 3 Application of flat pattern design techniques to the creation of dress designs.

434—**History of Decorative Textiles.** 3 Historical and methodological study of applied and structural textile design.

435—**Fashion Fundamentals I.** 3 Prerequisites: MKT 330, 342; CT 337. Understanding the basic elements and principles of fashion as related to the apparel industry.

436—**Fashion Fundamentals II.** 3 Prerequisite: CT 435. Understanding the workings and mechanics of the apparel industry and its relationship with the production and distribution of fashion.

437—**Apparel Design.** 3 Prerequisites: ART 111, 207; CT 330, 335. Fashion from the designer's viewpoint; terminology, methods, and influences. Experiences in designing.

439—**Retail Management Internship I, II.** 2 Must be taken twice. Prerequisites: CT 435, 437, MKT 300, 330, 342. Understanding the operation and management of retail activities through a training-work program in a cooperating department store. Supervision by the adviser with whom arrangements are made and for whom progress and evaluation reports are prepared.

492—**Special Problems.** 1-6 hrs. arr. A directed individual study planned and approved by the chairman of the department.

COMPUTER SCIENCE (CSS—330)

100—**Introduction to Computing.** 3 Computer concepts, forms of I/O, system design and analysis, recording data, and programming languages.

211—**Statistical Methods I.** 3 Prerequisite: Permission of instructor. Sampling and sampling distributions: normal and binomial, measures of central tendency and dispersion.

212—**Statistical Methods II.** 3 Prerequisite: CSS 211. Hypothesis testing, correlation, regression analysis, analysis of variance and covariance.

240—**Introduction to Programming Laboratory.** 3 Introduction to the FORTRAN language.

320—**Introduction to Linear Programming Techniques.** 3 Prerequisite: MAT 171. Vectors and Euclidean spaces, linear transformations, convex sets and hyperplanes, theory of simplex method, the transportation problem.

323—**Applied Techniques in Statistics and Engineering.** 3 Prerequisite: MAT 378 or equivalent. Laplace transforms, frequency and time-domain analysis of linear systems.

324—**Applied Techniques in Statistics and Engineering.** 3 Prerequisite: MAT 378. State variable theory, time-domain analysis of linear systems.

340—**Advanced Fortran Programming.** 3 Prerequisites: CSS 240 or equivalent. Advanced Fortran concepts, algorithmic procedures, and data structures.

341—**Digital Computer Programming.** 3 Prerequisite: CSS 340. Assembler language coding: registers, instruction formats, decimal and floating point arithmetic, I/O coding, system capabilities, program states.

342—**Introduction to COBOL Programming.** 3 Prerequisite: CSS 240. Programming of problems using the COBOL language.

350—**Data Structures.** 3 Creation, organization, maintenance, sorting, searching, and retrieval techniques in file structures.

370—**Hardware Systems I.** 4 Prerequisites: CSS 341, PHY 327, and PHY 328. Design, analysis and maintenance of computer systems.

371—**Hardware Systems II.** 4 Prerequisite: CSS 370. A continuation of CSS 370.

372—**Hardware Systems III.** 4 Prerequisite: CSS 371. A continuation of CSS 371.

415—**Methods of Mathematical Statistics I.** 3 Prerequisite: Permission of instructor. Hypothesis testing, power of tests, analysis of variance, orthogonal contrasts, fixed, random and mixed models.

416—**Methods of Mathematical Statistics II,** 3 Prerequisite: CSS 415. Simple and multiple linear regression, polynomial regression, multi-way analysis of variance, randomized blocks and nested factorials.

417—**Experimental Design.** 3 Prerequisite: CSS 416. Factorials, randomized blocks, Latin squares and split-plot, fractional factorials and confounding, response surface models.

418—**Sampling Methods.** 3 Prerequisite: CSS 415. The planning, execution, and evaluation of sample surveys. Simple random sampling, stratified random sampling, cluster sampling.

420—**Numerical Analysis I.** 3 Prerequisites: MAT 378 and CSS 340. Numerical solution to transcendental equations, systems of linear and non-linear equations. Milne's method, Runge-Kutta method.

421—**Numerical Analysis II.** 3 Prerequisites: MAT 378 and CSS 240. Modeling of continuous and discrete systems, approximation to computer based functions. Pade' approximation.

422—**Operations Research.** 3 Prerequisite: CSS 320. PERT-CPM, dynamic and quadratic programming, parametric and integer linear programming, penalty functions.

423—**Digital Signal Processing I.** 3 Prerequisite: CSS 323. Theory, design, and implementation of digital signal processing structures.

424—**Digital Signal Processing II.** 3 Prerequisite: CSS 423. Design and implementation of digital image processing techniques. Image enhancements and pattern recognition.

425—**Computer Graphics Design.** 3 Prerequisite: CSS 441. Theory, design and use of computer graphic systems.

426—**Computer Aided Design.** 3 Prerequisite: CSS 425. Design of man-machine interaction.

435—**Theoretical Statistics I.** 3 Prerequisite: CSS 340. Discrete simulation of inventory systems, random walks, queuing systems, networks, and computer systems. Use of GPSS simulation language.

436—**Theoretical Statistics II.** 3 Prerequisite: CSS 435. Advanced model design. Simulation of complex stochastic systems. Extended use of GPDS and GPSS simulation packages.

441—**Programming Languages.** 4 Prerequisite: CSS 340. A survey of programming languages such as ALGOL, APL, SNOBOL4, PL/I, XPL and LISP.

442—**Business Computer Systems.** 3 Prerequisite: CSS 342. Methods of system analysis, data acquisition, file structures, terminal selection, use of flowcharts and decision tables.

450—**Systems Programming.** 4 Prerequisite: Permission of instructor. Research projects in systems problems. Research will involve current software or hardware topics.

451—**Systems Programming.** 4 Prerequisite: Permission of instructor. A continuation of CSS 450.

452—**Systems Programming.** 4 Prerequisite: Permission of instructor. A continuation of CSS 451.

460—**Computer Software I.** 3 Prerequisites: CSS 341 and 441. Data structures and assemblers.

461—**Computer Software II.** 3 Prerequisite: CSS 460. An in-depth study of compilers and compiler writing techniques.

462—**Computer Software III.** 3 Prerequisite: CSS 441. An in-depth study of operating systems (batch, time-sharing and real time systems).

470—**Digital Systems I.** 4 Prerequisite: Permission of instructor. Analysis and synthesis of combinational, synchronous sequential, and asynchronous sequential circuits.

471—**Digital Systems II.** 4 Prerequisite: CSS 470. Architectural organization of digital systems, microprogramming.

476—**Introduction to Analog Computers.** 3 Prerequisite: MAT 405 or CSS 323. Modeling and simulation of physical systems using analog and digital computers.

477—**Process Control Systems.** 3 Prerequisite: CSS 476. Fundamentals of direct digital control systems, real-time data handling.

478—**Digital Control Systems.** 4 Prerequisite: CSS 426. Design of systems incorporating a computer as an on-line element. Design of control algorithms and optimal control techniques.

480—**Data Processing and File Management.** 4 Prerequisite: CSS 341 and 342. Organization and maintenance of sequential, direct access and index sequential files. Design of on-line file systems.

490—**Computer Science Seminar.** 1-3 hrs. arr. Presentation of technical topics in the field.

492—**Computer Science Problems I.** 3 Prerequisite: Senior standing. Solution of problems germane to a select area of study.

493—**Computer Science Problems II.** 3 Solution of problems germane to a select area of study.

CONSTRUCTION (BCT—393)

201—**Construction Practices I.** 3 Basic construction techniques, tools and equipment, and job planning analysis used in residential projects.

302—**Construction Practices II.** 3 Prerequisite: BCT 201. Continuation of BCT 201, with emphasis on commercial and industrial construction.

303—**Construction Practices III.** 3 Prerequisite: BCT 302. Construction equipment selection and utilization for commercial and heavy-highway construction.

335—**Construction Materials.** 3 Properties, characteristics, and utilization of materials used in construction.

371—**Site Development.** 3 Prerequisite: ACT 348, BCT 335. Building design and planning; working drawings for residential buildings.

372—**Construction Detailing.** 3 Prerequisite: BCT 371. Continuation of BCT 371 with emphasis on details of the building superstructure.

373—**Commercial Construction Techniques.** 3 Prerequisite: BCT 372. Construction methods, details and working drawings for commercial building systems.

378—**Construction Estimating.** 3 Prerequisite: BCT 373. Material quantity survey techniques used in estimating costs of construction projects.

379—**Construction Cost Analysis.** 3 Prerequisite: BCT 378. Determination of construction cost, bidding procedures, and analysis of job cost data.

383—**Codes and Specifications.** 3 Building codes and standards. Analysis of the contract documents and project specifications.

385—**Construction Organization.** 3 Prerequisite: BCT 373, BCT 379. Analysis of contracting functions and management concepts.

386—**Safety in Construction.** 3 Development and management of accident prevention programs in construction.

392—**Special Problems.** 1-3 hrs. arr. Prerequisite: Junior standing and approval of faculty adviser.

400—**Senior Project.** 3 hrs. arr. Prerequisite: Senior standing and approval of faculty adviser.

401—**Senior Project.** 3 hrs. arr. Prerequisite: Senior standing and approval of faculty adviser.

435—**Construction Planning and Scheduling.** 3 Prerequisite: BCT 379. Critical Path Method (CPM) as a project planning, scheduling, and monitoring technique.

436—**Construction Labor.** 3 Prerequisite: BCT 385. A study of construction labor resources, labor history, and governmental labor regulations.

437—**Construction Project Management.** 3 Prerequisite: BCT 385, BCT 435, BCT 436. Field quality control and work methods analysis techniques.

492—**Special Problems.** 1-3 hrs. arr. Prerequisite: Senior standing and approval of faculty adviser.

COUNSELING PSYCHOLOGY AND COUNSELOR EDUCATION (CPY—140)

100—**Orientation.** 1

101—**Foundations of Personal Development.** 1 An introduction to the principles of human development. Open to freshmen and transfers only.

310—**Introduction to Social and Rehabilitation Services.** 3 An orientation via a review of relevant history, legal mandates, philosophy, objectives, and applied services. Offered only with CPY 360.

311—**Assessment, Evaluation, and Prognosis in the Social and Rehabilitation Services.** 3 Introduction to basic assessment and evaluation techniques and application of these in rehabilitation settings.

312—**Counseling Theory and Practice.** 3 Emphasizes theories and principles undergirding the practical application of various helping techniques. Offered only with CPY 361.

360—**Social and Rehabilitation Services Laboratory I.** 3 Includes selected readings, discussion groups and directed field visits. Offered only with CPY 310.

361—**Social and Rehabilitation Services Laboratory II.** 3 Application of interview and group techniques through personal interaction experiences. Offered only with CPY 312.

413—**Vocational Development and the World of Work.** 3 An introduction to the study of vocational development and occupations.

422—**Curriculum Development for Career Education.** 3 Introduction to principles of curriculum adaptation for school-based programs of career education.

423—**Group Procedures.** 3 Introduction to the fundamentals of developmental group work, with emphasis on individual behaviors in a group setting.

430—**Principles and Processes of Case Management.** 3 This course focuses on the coordination of specific functional tasks associated with habilitation/rehabilitation services.

431—**Medical and Personal Adjustment Aspects of Helping Processes.** 3 An introduction to the chronically disabling conditions both from the viewpoint of treatment processes and individual adjustment.

432—**Introduction to Community Resources.** 3 A study of the nature and development agency resources within the community.

433—**Workshop in Counseling Procedures.** 3 A workshop to familiarize counselor personnel with new and innovative procedures in facilitating client development.

434—**Guidance of the Exceptional Child.** 3 A course to acquaint counselor and teachers with special considerations involved in providing guidance and child development services for exceptional children.

435—**Alcoholism and Drug Abuse Intervention.** 3 Intervention strategies in working with drug abusers with emphasis on the alcoholic.

462-463—**Social and Rehabilitation Services Field Practicum I, II.** 3 or 6 To be taken as an individual internship practicum within an agency or facility.

492—**Special Problems.** 1-3 hrs. arr.

CRIMINAL JUSTICE (CJ—281)

200—**Introduction to Criminal Justice.** 3 An introduction to the basics of the criminal justice system from its origins to modern application.

300—**Police Methods and Organization.** 3 A study of police operations and administrative support.

301—**The Development of Modern Police Systems.** 3 A survey of the development of metropolitan police forces in Europe and the United States.

303—**Criminal Law.** 3 Applied substantive criminal law with emphasis on the most common criminal offenses.

304—**Criminal Investigation.** 3 Prerequisite: CJ 303. An overview of the crime solving process with emphasis on methodology, corpus delecti, and evidence.

305—**Traffic Law.** 3 An analysis of prevailing traffic law and methods of enforcement.

306—**Correctional Methods and Organization.** 3 An overview of major correctional systems and methods of treatment of offenders.

308—**Crime Prevention.** 3 A study of methods of protecting life and property in the community and in industry.

400—**Criminal Justice Practicum.** 3 , 6 , or 9 Prerequisite: Major in Criminal Justice and a junior or senior standing. Field work offering research and practice in a criminal justice agency.

403—**Criminal.Procedure.** 3 A study of the procedural rules for the judicial enforcement of substantive criminal law. CJ 303 not a prerequisite.

404—**Evidence, Search, and Seizure.** 3 An examination of the laws of evidence and the procedures for obtaining it.

406—**Administration of Criminal Corrections.** 3 Prerequisite: CJ 306. An in-depth study of the administrative process in the correctional system.

407—**Juvenile Justice System.** 3 A study of the law concerning investigation of juvenile offenders, disposition of offenders, and juvenile courts.

408—**Seminar in Criminal Justice.** 3 An interdisciplinary seminar covering significant problem areas in the criminal justice system.

409—**Law of Criminal Corrections.** 3 A study of the newly emerging rights of individuals at detention, arrest, and incarceration.

410—**Theories of Criminal Justice.** 3 Theories are traced from Aristotle's initial efforts to current application.

411—**Probation, Parole, and Community Corrections.** 3 Examines probation and parole systems, other alternatives to incarceration.

412—**Group Techniques in Corrections.** 3 An in-depth examination of the application of group therapy to criminal offenders in terms of theory and practice.

413—**Seminar of Comparative Methods of Treatment in Corrections.** 3 An analysis of treatment methodologies in Europe and America.

414—**Theories of Criminal Penalties.** 3 An exploration of the mandate and methods for society to impose penalties upon its criminal offenders.

415—**Comparative Criminal Justice Systems.** 3 A study of foreign criminal justice systems emphasizing possible reforms for the American system.

416—**Anglo-American Penal Institutions and Reform.** 3 An in-depth analysis of British and American penal institutions and modern attempts at reform.

417—**Juvenile Corrections.** 3 Provides the student interested in juvenile corrections with an in-depth perspective of the numerous treatment modalities currently in use.

420—**Victims of Crime.** 3 Provides an in-depth study of factors that affect the victims of crime. Specific crimes are studied and remedies explored.

492—**Special Problems.** 1-3 hrs. arr.

ECONOMICS (ECO—610)

200—**Introduction to Economics.** 3 Not to be counted toward major, minor, or meeting the core requirements of the College of Business Administration. Credit for graduation will not be given for both ECO 200 and 255 or 256.

255—**Principles of Economics I.** 3 An examination of the basic institutional environment of American capitalism and the determination of the level of national income, employment, prices, and growth.

256—**Principles of Economics II.** 3 An examination of the laws of production and their influence on costs and output. Also, a study of product and factor price determination under varying degrees of competition.

301—**Elementary Statistics I.** 3 Prerequisite: MAT 101 or 112. Basic concepts; central tendency and dispersion; probability; poison, binomial and normal distributions; testing hypotheses.

302—**Elementary Statistics II.** 3 Prerequisite: ECO 301. Decision making, classical and Bayesian; regression and correlation; index numbers and time series analysis.

310—**Economic History of the United States.** 3 A study of the economic forces that have influenced the development of the United States from its European origins to the present.

330—**Money and Public Policy.** 3 Prerequisites: ECO 255 and 256. An intermediate study of the nature and functions of money, monetary theory, and the political and social context in which monetary policy is formulated.

335—**Economics of the Firm.** 3 Prerequisites: ECO 255 and 256. Credit for graduation will not be given for both ECO 335 and 340. An intermediate study of the application of economic theory to managerial decision-making.

340—**Price Theory.** 3 Prerequisite: ECO 256. An intermediate study of the determination of prices in factor and final product markets.

345—**Income Theory.** 3 Prerequisite: ECO 255. An intermediate study of the determination of income and employment.

401—**Public Finance.** 3 Prerequisites: ECO 255 and 256. A study of federal and state spending and fund raising policies within the context of the social goals of the society.

413—**The Economy of Latin America.** 3 Analysis of crucial Latin American economic issues: population, agriculture, industry, and trade.

422—**Economics of Public Utilities.** 3 Prerequisite: ECO 256. Traditional public utility regulation—institutions and theory; the political economy of regulation and cost-benefit analysis of regulation.

424—**Economics of Urban Areas.** 3 Prerequisites: ECO 255 and 256. A study of current problems of the cities—race, poverty, pollution, unemployment, crime, and government finance.

435—**International Trade Theory.** 3 Prerequisites: ECO 225 and 256. A study of the historical development of international trade theory, the importance of international trade, and the mechanism of international payments.

440—**Economic Development.** 3 Prerequisites: ECO 255 and 256. Emphasis on the economic tools for analyzing economic development with particular attention to regional growth and change.

465—**Economics of Labor.** 3 A study of the labor market with special reference to the institutional setting, wage determination, and employment problems in an industrial economy.

470—**Comparative Economic Systems.** 3 A course designed to acquaint the student with the origins, development, and characteristics of fascism, socialism, and capitalism.

480—**Environmental Economics.** 3 Prerequisites: ECO 255, 256, or consent of instructor. A survey of economic concepts relevant to decision making with reference to the management of natural resources heretofore considered to be "free" in nature.

492—**Contemporary Economic Problems I.** 3 Prerequisites: ECO 255 and 256. A study of the economic problems of monopoly, international trade, and income distribution.

494—**Contemporary Economic Problems II.** 3 Prerequisites: ECO 255 and 256. A study of the economic problems of the business cycle, inflation, growth, and size and influence of the public economy.

EDUCATIONAL PSYCHOLOGY (EPY—180)

370—**Human Growth and Development, Part I: Child.** 3 Prerequisite: PSY 110. Study of the child through the elementary school years, emphasizing principles and problems of development.

371—**Psychology of Preadolescence and Early Adolescence.** 3 The study of human growth and development during later elementary and junior high school years.

372—**Human Growth and Development Part II: Adolescent.** 3 Prerequisite: PSY 110. A course dealing with development of the individual through the adolescent years.

374—**Educational Psychology.** 3 Prerequisite: PSY 110. Application of psychological methods, facts, and principles to education.

385—**Applied Behavior Analysis.** 1-3 hrs. arr. Prerequisites: PSY 110, EPY 374, one of EPY 370, EPY 371, or EPY 372 and permission of the instructor. Application of the principles of applied behavior analysis to problems involving human behavior change in an educational context.

470—**Developmental and Educational Psychology for Teaching Interns.** 9 hrs. arr. Available to internship students only, arranged through the Office of Student Teaching.

482—**Moral Development in Childhood and Adolescence.** 3 May be taken up to nine hours with change of content. Prerequisites: PSY 110, and permission of the instructor. A review of theory and research on selected, contemporary topics in educational psychology.

ELEMENTARY EDUCATION (CIE—115)

301—**Methods and Materials in Elementary School Arithmetic.** 3 Prerequisite: MAT 210. A course which utilizes modern strategies of psychology and methodology in elementary school mathematics on exploratory, structural, and mastery levels of learning.

305—**Social Studies in the Elementary Grades.** 3 Emphasis is on the social science interdisciplinary approach for content and methodology, problem solving, unit teaching, and thinking.

306—**Language Arts in the Elementary School.** 3 Emphasizes the methods and materials for teaching handwriting, creative writing, listening, speaking, and grammar in grades 1 through 8.

309—**Developing Skills in Reading.** 3 Develops performances required in instructional and recreational reading; and materials used to teach these skills in grades 1 through 8.

311—**Kindergarten and Primary Reading Instruction.** 3 Prerequisites: CIE 306 and 309. Explores primary reading as a developmental process through units on grouping, objectives, media, diagnosis and prescription, and selected approaches.

312—**Middle School Reading Instruction.** 3 Prerequisites: CIE 306 and 309. Explores reading by developing topics on patterns, objectives, materials, approaches, content area reading, and diagnosis and prescription for grades 4 through 8.

317—**Methods and Materials in Children's Literature.** 3 An introduction to children's primary literature, in all forms, and a study of ways in which it is integrated into the curriculum for enrichment.

318—**Literature for the Middle School.** 3 A study of literature appropriate for use in grades 4 through 8 stressing effective use of literature in the school program.

330—**Readiness Programs for Young Children.** 3 A course dealing with varied phases of comprehensive readiness programs for children in elementary school.

334—**Improvement of Study.** 2 Prerequisite: Permission of the instructor. An analysis of effective study techniques. Useful for college students who wish to improve their own reading and study habits.

343—**Methods and Materials in Elementary Education.** 3 Offered concurrently with student teaching (CIE 482), this general methods course examines materials and methods of teaching pupils in grades four through eight.

403—**Kindergarten—Primary Education.** 3 A practicum designed to give teaching experiences in understanding the social, emotional, physical and cognitive growth and development of children.

412—**Diagnosis and Remediation of Reading Disability for the Classroom Teacher.** 3 Prerequisites: CIE 306, 309 and 311 or 312. Provides relevant practicum experiences in evaluation and gives extended opportunities in child tutoring appropriate to grades 2-8.

425—**Methods and Materials in Early Childhood Education.** 3 Offered concurrently with student teaching (CIE 480), this general methods course examines materials and methods of teaching children in kindergarten through grade 3.

427—**Evaluation in Early Childhood Education.** 3 Emphasis is placed on evaluative techniques and principles relative to the physical, intellectual, emotional, and social development of young children.

480—**Student Teaching in Lower Elementary.** 9 Prerequisites: REF 300, CIE 301, 305, 306, 309, 311, EPY 370, 374. Taken together with CIE 425, students who student teach in kindergarten through grade 3 will register for this course.

482—**Student Teaching in Upper Elementary.** 9 Prerequisites: REF 300, CIE 301, 305, 306, 309, 311, EPY 370, 374. Taken together with CIE 343, students who student teach in grades 4 through 8 will register for this course.

489—**Seminar in Elementary Student Teaching.** 6 Prerequisite: Permission of instructor. Designed to meet the student teaching requirement for noncertified experienced teachers, this course deals with classroom management, programs of instruction, and student role in the educational environment.

490—**Workshop in Aviation Education.** 3 Designed to familiarize teachers and administrators with the role that aviation and space exploration play in developing the school curriculum. May be taken twice for a total of six hours.

491—**The Reading Conference.** 1 An intensive three-day summer program consisting of lectures, group discussion, and demonstration lessons. May be taken three times.

492—**Internship in Kindergarten and Primary Education.** 9 Prerequisite: Permission of the Director of Interns. Reserved for those students who are enrolled in the internship program.

493—**Internship in the Middle School.** 9 Prerequisite: Permission of the Director of Interns. Reserved for those students who are enrolled in the internship program.

494—**Workshop in Learning Resources in Early Childhood Education.** 3 Student will become acquainted with learning sources, selection, use, and production of multi media materials.

496—**Projects in Elementary Education I, II, III.** 3 Designed for school systems planning local projects of curriculum revision and course of study construction.

ENGLISH (ENG—224)

100—**Fundamentals of Composition.** 3 (May not count toward a major or minor.) Stresses grammar, mechanics, usage, and other basic writing skills.

101—**Composition.** 3 Stresses clear, effective writing with special attention to rewriting and organizational skills.

102—**Literature and Composition.** 3 Examines the literary genres of fiction, poetry, and drama, with writing assignments on selected literary topics.

200—**Drama.** 3 Examines the techniques of drama from Greek classical period to the twentieth century.

201—**Fiction.** 3 Examines the techniques, styles, and themes of fiction.

202—**Poetry.** 3 Studies British and American poetry from medieval to modern times.

300—**Vocabulary Development.** 3 (May not count toward a major or minor.) Stresses the improvement of vocabulary.

301—**Traditional Grammar.** 3 Studies traditional grammar and usage.

319—**Literary Study of the Bible.** 3 Examines the literary structure, style and content of the English Bible.

321—**Introductory Short Fiction Writing.** 3 Introduces the techniques of short fiction writing.

322—**Introductory Poetry Writing.** 3 Introduces the techniques of poetry writing.

332—**Expository Prose.** 3 Stresses the writing of essays.

333—**Technical Writing.** 3 Stresses report writing in student's major field. Prerequisite: Junior standing or twelve hours in student's major field.

334—**Introduction to Research and Term Paper Writing.** 3 Stresses data gathering and documentation in student's major field.

340—**Analysis of Literature.** 3 Introduces the discipline of literary criticism.

350—**Survey of British Literature I.** 3 Surveys major authors from Old English period through the eighteenth century.

351—**Survey of British Literature II.** 3 Surveys major authors from Romantic period through twentieth century.

370—**Survey of American Literature I.** 3 Surveys American literature from its beginnings until about 1860.

371—**Survey of American Literature II.** 3 Surveys American literature from about 1860 until the present.

372—**Afro-American Literature.** 3 Surveys major Black writers and their influences.

400—**Introduction to Linguistics.** 3 Introduces the principles of descriptive linguistics.

401—**Advanced Grammar.** 3 Introduces structural and transformational grammar. (Required for secondary or middle-grade certification in English.)

402—**English Syntax.** 3 Examines English syntax and conventional forms of English grammar.

406—**History of the English Language.** 3 Surveys the development of the English language from Old English to the present.

409—**Studies in Linguistics.** 3 Offers varied topics yearly.

410—**Readings in World Literature I.** 3 Examines various Greek, Roman, European Medieval, and Renaissance writers.

411—**Readings in World Literature II.** 3 Examines selections from European Enlightenment, Romantic, and Modern writers.

413—**The Modern Novel.** 3 Examines major British and Continental novels of the last hundred years.

417—**Modern Drama.** 3 Studies important British and Continental dramas of the twentieth century.

419—**Studies in Comparative Literature.** 3 Studies Continental, British, and American writers of the nineteenth and the twentieth centuries.

421—**Short Story Writing.** 3 Provides an opportunity to develop techniques of fiction writing.

422—**Poetry Writing.** 3 Provides an opportunity to develop techniques of poetry writing.

424—**Traditional Forms of Poetry/Fiction.** 3 Demonstrates the significance of literary methods.

451—**Chaucer.** 3 Presents a close reading of **The Canterbury Tales.**

454—**Shakespeare's Comedies and Tragicomedies.** 3 Studies a selected group of Shakespeare's drama.

455—**Shakespeare's Histories and Tragedies.** 3 Studies a selected group of Shakespeare's drama.

456—**Sixteenth-Century English Literature.** 3 Studies the more important English writers of the period

457—**The Development of British Drama to 1642.** 3 Studies English drama from its beginnings to 1642, exclusive of Shakespeare.

458—**Seventeenth-Century Prose and Poetry.** 3 Surveys the period 1600-1660, with emphasis on the "schools" of Donne and Jonson.

459—**Milton.** 3 Studies the poetry and prose of Milton, with emphasis on the major works.

460—**British Literature, 1660-1740.** 3 Surveys British Literature from the Restoration to 1740.

462—**British Literature, 1740-1798.** 3 Surveys British Literature from 1740 to 1798.

464—**The British Novel to 1900.** 3 Studies the development of British fiction from Richardson through Hardy.

465—**Nineteenth-Century British Literature: Romantic.** 3 Surveys poetry and prose of the period 1790 to 1830.

466—**Nineteenth-Century British Literature: Victorian.** 3 Surveys poetry and prose of the period 1830 to 1900.

467—**Twentieth-Century British Literature.** 3 Studies major twentieth century British writers, emphasizing novelists and dramatists.

468—**Modern British Poetry.** 3 Samples major British poets from Hardy to the present.

469—**Studies in British Literature.** 3 Examines various topics in British Literature.

470—**The American Literary Renaissance, 1820-1870.** 3 Examines the writings of Emerson, Thoreau, Hawthorne, Melville, Whitman, and others.

471—**The Rise of Realism in American Literature, 1870-1920.** 3 Examines American Literature after the Civil War, focusing on the terms **realism** and **naturalism.**

472—**American Drama.** 3 Studies American drama from its beginnings to the present.

477—**The American Novel 1920 to 1960.** 3 Studies techniques and historical backgrounds of the major novelists.

478—**Modern American Poetry.** 3 Surveys nineteenth- and twentieth-century American poetry.

485—**Literature of the South.** 3 Emphasizes the fiction, poetry, and drama of twentieth-century Southern writers.

489—**Studies in American Literature.** 3 Studies notable movements, genres, and problems of American literature.

492—**Special Problems.** 1-3 hrs. arr. Provides the opportunity to pursue a special topic or area of interest.

CIS 454—**Methods in English—Secondary.** 3 Presents methods of teaching language, literature, and composition in secondary schools.

ENVIRONMENTAL DESIGN (EVD—812)

140—**Environmental Design I.** 3 An introduction to the field of interior designing with emphasis on processes and resources of the designer.

221—**Floral Design.** 3 Fundamentals of floral arrangement and design.

240—**Environmental Design II.** 3 Prerequisite: EVD 140. The exploration and application of design methodology to interior environments.

241—**Environmental Design III.** 3 Prerequisites: ART 102 and EVD 240. The application of varied media and techniques in depicting interior environments.

331—**Textile Design: Fabric Surface Enrichment.** 3 Design on fabric of different compositions and textures with various media.

332—**Fabric Design II.** 3 Prerequisites: EVD 140 and ART 111. Design by the weaving process.

340—**Residential Interiors.** 3 Prerequisites: EVD 241 and HHM 339. Advanced problems in the application of the principles of design and of knowledge of shelter components to residential needs.

342—**Practicum.** 3 Prerequisite: EVD 340. Study made of a specific interior designing problem in the community.

440—**Commercial and Institutional Interiors.** 3 Prerequisite: EVD 241. Design problems of large scale interiors with emphasis on commercial and institutional projects.

441—**Professional Practices and Procedures.** 3 Prerequisites: MKT 330, 342, 365. Application of the aspects of business to the interior design profession.

442—**Interior Design Internship.** 6 Prerequisites: EVD 241 and 441. A practicum for the interior design student in a working-training situation with a professional interior designer.

492—**Special Problems.** 1-6 arr. Directed individual study.

ENVIRONMENTAL TECHNOLOGY (ESC—335)

105—**Environmental Problems I, II.** 1 Current calculations encountered in environmental monitoring and environmental impact estimations.

205—**Environmental Problems III, IV.** 1 Intermediate applied calculations relating to environmental monitoring, and environmental impact estimations.

301—**Man in His Environment.** 3 Physical, biological, social, political, and economic problems associated with current environmental issues.

302—**Environmental Improvement Project.** 3 Prerequisite: ESC 301. Performing an actual environmental improvement project.

330—**Principles of Environmental Health.** 3 Environmental factors relating to transmission of communicable disease, chemical, and physical hazards to man.

401—**Pollution Detection-Water.** 4 Prerequisite: CHE 311 or permission of instructor. Field sampling and testing for water and air pollution.

402—**Pollution Detection-Air.** 4 Prerequisite: CHE 311, ESC 401, or permission of instructor. Continuation of ESC 401 with emphasis on air pollution.

403—**Air, Water, and Solid Waste Management.** 4 Current methods for the control of air and water pollution as well as the management of solid waste.

405—**Environmental Impact Statements.** 3 Preparation of environmental impact statements, EIS's for projects with significant environmental impact.

411—**Electronics for Scientists.** 4 Practical electronics needed for maximum utilization of scientific instrumentation, automation, and logic circuits.

431—**Principles of Industrial Hygiene.** 4 Detection and control of harmful agents in working environments, such as vapors, gases, mists, radiation, and sound.

492—**Special Projects.** 1

FINANCE (FIN—615)

301—**Financial Concepts in Industry.** 3 Designed to acquaint the undergraduate technology student with the basic principles of financial administration as applied to industry. Not open to students in the College of Business Administration.

320—**Personal Finance.** 3 A study of the financial problems people encounter in planning and managing their individual affairs.

350—**Bank Administration.** 3 Prerequisite: ECO 330. A comprehensive survey of the management of bank funds.

352—**Principles of Investments.** 3 Prerequisite: FIN 389. Introduction to security analysis and portfolio theory.

355—**Problems in Bank Administration.** 3 Prerequisite: FIN 350. Indepth analysis, mainly by the case method, of issues relating to bank problems.

389—**Business Finance.** 3 Prerequisites: ACC 202 and ECO 256. Deals with financial management issues. Emphasis is placed on basic tools and methods of the financial managers.

400—**Quantitative Analysis in Finance.** 3 Prerequisites: GBA 290 and ECO 302. Application of quantitative methods for business decision making applied to the COMPUSTAT financial data files.

462—**Security Analysis.** 3 Prerequisite: FIN 352. A research course designed to examine the international, national, industrial, and corporate effect on expected micro-stock prices.

472—**International Business Finance.** 3 Prerequisite: FIN 389. Concerned with the short- and long-haul and long-run financial operations and specific cash and capital management problems of multi-national business.

480—**Financial Management.** 3 Prerequisite: FIN 389. High-level analysis of internal and external financial decision-making issues.

492—**Independent Study.** 3 Special research assignment designed to meet the needs of the particular student.

FOOD AND NUTRITION (FN—815)

163—**Food Study.** 3 Study of food science principles and their application in the preparation of foods and food products.

260—**Human Nutrition.** 3 The nutritional needs of the body and proper selection of foods to meet these needs.

261—**Meal Planning and Table Service.** 3 Prerequisite: FN 163. Emphasis on management of time, energy, and money in selection and purchasing of foods, meal planning, preparation, and serving.

265—**Orientation to Dietetics.** 1 Study of dietetics and careers in the profession.

360—**Basic Nutrition.** 2 Nutritional needs of body and proper selection of foods emphasized.

362—**Nutrition.** 3 Study of the body's need for foods, including the chemistry of digestion, metabolism, and nutritive requirements of body during life cycle.

363—**Child Nutrition.** 3 A study of nutritive requirements for young children.

364—**Teaching Food and Nutrition in the Elementary Grades.** 3 Course planned to give understanding of materials and methods for teaching nutrition at this level.

365—**Normal and Therapeutic Nutrition.** 4 To understand the function of foods in the body processes and translate this to application of foods.

430—**Experimental Foods.** 3 Elementary research to determine factors affecting standard products.

460—**Advanced Nutrition.** 3 Prerequisite: FN 362. Study of current literature for new findings in the field of nutrition.

461—**Diet in Disease.** 3 Prerequisite: FN 460. Study of diseases influenced by diet and dietary treatment of diseases.

462—**Food Preservation.** 3 Study of methods and techniques of preserving foods and its storage. Convenience foods studies.

463—**Applied Nutrition.** 6 A study of community nutrition.

464—**Clinical Nutrition.** 10 Clinical experiences in the area of dietetics.

465—**Seminar.** 1 Readings in nutrition and diet therapy and the relation to disease.

466—**Diet Therapy.** 12 Study and application of principles, techniques, and modification therapeutic diets.

492—**Special Problems in Food and Nutrition.** 1-4 hrs. arr. Prerequisite: Senior standing and permission of the instructor.

FOOD SCIENCE AND TECHNOLOGY (FST—396)

101—**Introduction to Food Science.** 3 Basic concepts, scientific principles and methods employed in selection, preparation, processing, and preservation of foods.

310—**Food Science I.** 3 Physical, biochemical, and microbiological properties of important classes of food products as they relate to food processing.

311—**Food Science II.** 3 Materials and methods applicable to foods industries in regard to additives, packaging, sanitation, and quality control.

350—**Food Processing Technology I.** 4 General characteristics of food materials; methods of preservation; processing objectives; packaging; and sanitation.

351—**Food Processing Technology II.** 4 Continuation of FST 350.

405—**Food Process Engineering.** 3 Application of chemical engineering principles in food processing.

410—**Food and Drug Laws—Standards and Regulations.** 3 Federal, state, and city food and drug laws, and how they regulate the food industry.

450—**Food Analysis I.** 4 Principles and regulation of official chemical, microbiological, and physical methods used in food analysis.

451—**Food Analysis II.** 4 Continuation of FST 450.

489—**Seminar.** 1 hr. arr. Discussion of current topics in food science and technology.

492—**Special Problems.** 1-3 hrs. arr.

FOREIGN LANGUAGES (FL—228)

100—**English as a Foreign Language.** 3* Credit not applicable toward degree.

111—**French:** One. 3 or 4

112—**French:** Two. 3 or 4

121—**German:** One. 3

*This and many other FL courses incorporate language laboratory activities during and in addition to classroom instruction. Since the proportion varies within a given course, laboratory hours are not specified.

122—German: Two. 3

141—Italian: One. 3

142—Italian: Two. 3

151—Latin: One. 3

152—Latin: Two. 3

161—Russian: One. 3

162—Russian: Two. 3

171—Spanish: One. 3

172—Spanish: Two. 3-4-0-W,S,Su.

211—French: Three. 3

212—French: Four. 3

213—French: Five. 3

221—German: Three. 3

222—German: Four. 3

223—German: Five.3

231—Greek: One. 3

232—Greek: Two. 3

241—Italian: Three. 3

242—Italian: Four. 3

251—Latin: Three. 3

252—Latin: Four. 3

261—Russian: Three. 3

271—Spanish: Three. 3

272—Spanish: Four. 3

273—Spanish: Five. 3

300—Comparative Phonetics. 3

301—Credit for Study Abroad. 3-9 hrs. arr. Prerequisites: Intermediate knowledge of the language to be studied; prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture or the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

302—Poetry. 3

305—Classical Mythology. 3 A study of the development of Greek and Roman mythology illustrated by examples from art and literature.

311—French: Conversational Practicum. 3 May be taken for a total of six hours.

312—French: Advanced Grammar and Composition. 3

321—German: Conversational Practicum. 3 May be taken for a total of six hours.

322—German: Advanced Grammar and Composition. 3

333—Greek: Civilization and Literature in Translation. 3

353—Latin: Civilization and Literature in Translation. 3

371—Spanish: Conversational Practicum. 1-3 hrs. arr. May be taken for a total of six hours.

372—Spanish: Advanced Grammar and Composition. 3

400—Introduction to Exotic Languages. 3 May be taken for a total of nine hours.

401—Advanced Credit for Study Abroad. 3-9 hrs. arr. Prerequisites: Advanced knowledge of the language to be studied; otherwise same as FL 301. (See FL 301.)

403—Translation. 3 May be taken for a total of nine hours.

404—Methods of Teaching Foreign Language. 3 May be taken for a total of six hours.

415—French: History of Literature. 3 May be taken for a total of twelve hours.

425—German: History of Literature. 3 May be taken for a total of twelve hours.

431—Greek: Three. 3

432—Greek: Four. 3

435—Greek: Readings in Literature. 3 May be taken for a total of nine hours.

455—Latin: Readings in Literature. 3 May be taken for a total of nine hours.

475—Spanish: History of Peninsular Literature. 3 May be taken for a total of twelve hours.

476—Spanish: History of Latin American Literature. 3 May be taken for a total of twelve hours.

492—Special Problems. 1-3 hrs. arr. May be taken for a total of nine hours.

FUNDAMENTALS OF SCIENCE (FS—390)

Fundamentals of Science: Two courses in general physical science and two courses in general biological science of three semester hours credit for each. These courses are designed to give the non-science major an acquaintance and understanding of certain fundamental principles of the major science disciplines.

Inasmuch as there is overlapping and duplication in these courses and those offered by other science department of this and other institutions, the student should check carefully with his adviser and/or the Department of Science Education prior to enrolling in these courses.

104—Physical Science I. 3 A study of matter and energy in the universe; the forces acting within the universe; and the laws governing these phenomena.

105—Physical Science II. 3 The study of elementary and compound substances, the arrangement of forces acting on these substances in the universe.

106—Biological Science I. 3 Studies in the general life science with emphasis on the systems of Man.

107—Biological Science II. 3 Studies of the diversity of life in plants and animals.

131—General Physical Science I. 3 Prerequisites: Elementary Education major, MAT 210. Study of the interaction of matter and energy.

132—General Physical Science II. 3 Prerequisites: Elementary Education major, FS 131. Study of the interaction of matter and energy.

133—General Biological Science I. 3 Prerequisite: Elementary Education major. A study of the basic patterns of life and a modern system of classifying organisms.

134—General Biological Science II. 3 Prerequisites: Elementary Education major, FS 133. A study of interaction between organisms with their environment.

GENERAL BUSINESS ADMINISTRATION (GBA—616)

100—**Introduction to Business.** 3 An introductory course to practically all phases of the business world. Not open to juniors and seniors enrolled in the College of Business Administration.

290—**Fundamentals of FORTRAN.** 3 Prerequisite: MAT 101. Application of internally stored digital computers to business problems through the use of the FORTRAN language.

375—**Managerial Communications.** 3 Effective principles and practices of written communications and their functional translations in terms of audience evaluation.

415—**Government and Business.** 3 A study of the place of government in the business world with emphasis on controls, regulation, enforcement of competition and subsidies.

440—**Transportation.** 3 The principles, practices and problems of transportation that prevail in the United States.

GENETICS (GEN—312)

101—**Heredity and Human Affairs.** 3 Foundations of human evolutionary, reproductive and hereditary interrelationships, and their significance in social, ethical, and moral problems.

402—**Genetics.** 3 Prerequisites: MIC 101 or BIO 101; one semester of organic chemistry recommended. The fundamental principles of heredity.

403—**Advanced Genetics.** 4 Prerequisite: GEN 402. A continuation of GEN 402.

411—**Physiological Genetics.** 3 Prerequisites: GEN 402, 403. Physiological concepts of heredity.

421—**Interpretation of Biological Data.** 3 Prerequisite: Permission of instructor. Techniques applicable to the design and interpretation of biological research data.

451—**Medical Genetics.** 3 The basic principles of human genetics with emphasis on the causation of abnormality and disease.

461—**Microbial Genetics.** 4 Prerequisites: GEN 402, 403. The genetics and molecular biology of microorganisms and viruses.

492—**Special Problems I, II, III.** 2-6 hrs. arr. A course in library and/or laboratory research on a problem chosen in consultation with the adviser.

GEOGRAPHY AND AREA DEVELOPMENT (GHY—268)

102—**Introduction to Geography.** 3 Introduction to the basic elements and concepts of geography.

103—**World Regional Geography.** 3 Introduction to world regional geography with emphasis on man's relation to the land.

310—**Principles of Cartography.** 3 Theory and construction of maps from compilation through reproduction: projections design, symbols, and techniques.

317—**Maps and Map Interpretation.** 3 Categories of maps and their utilization to include classification of projections, design, structure, measurement, and methods of interpretation.

323—**Weather and Climate.** 3 Survey of elements of weather and climate; emphasis on processes, distribution patterns, and impact on man.

324—**Geography of Landforms.** 3 Study of structure, process, and stage of geometic configurations of earth's land surface and influences exerted on human activity.

331—**Cultural Systems in the Environment.** 3 Geographical analysis of man's interaction with environment through time; considers spatial significance and distribution of various cultural elements.

341—**World Political Geography.** 3 Geographic approach to patterns of power and conflict among nations. Consideration of strategic areas, disputed zones, and regional blocs.

350—**Introduction to Economic Geography.** 3 Principles of economic geography as developed through regional studies of characteristics and areal associations of economic phenomena.

360—**Introduction to Community and Regional Planning.** 3 A review of the fundamentals and historic development of community and regional planning.

361—**Regional Planning and Development.** 3 An introduction to the concepts, techniques, and procedures of regional planning and development.

370—**Conservation of Natural Resources.** 3 An analysis of basic principles and problems associated with the use, misuse, and conservation of natural resources.

400—**Geography of Mississippi.** 3 Survey of physical, economic, and historical geography of the state; emphasis on man-environment relations and problems.

402—**Geography of the United States and Canada.** 3 Introduction to physical and human geography of U.S. and Canada; emphasis on natural resources and patterns of economic activity.

403—**Geography of South America.** 3 Analysis of settlement forms, resource potential, and development problems and progress by political units.

404—**Geography of the Caribbean Countries.** 3 An historic-geographical approach analyzing spatial relations of cultures and economies in the Caribbean realm.

405—**Geography of the USSR.** 3 A regional survey of the physical, economic, and cultural geography of the USSR.

406—**Geography of Europe.** 3 Topical and regional study of Europe; emphasis on industrial, trade, urban, and other cultural patterns.

407—**Geography of Asia.** 3 Analysis of physical and cultural environments of monsoon Asia; includes evaluation of area's resource and development potential.

408—**Geography of Africa.** 3 Regional synthesis of physical and cultural features which characterize the African continent.

410—**Advanced Cartography.** 3 Prerequisite: GHY 310. Map reproduction techniques, color preparation, scribing, and quantitative symbolization.

411—**Aerial Photography Interpretation.** 3 Systematic treatment of elements and steps involved in interpreting, measuring, and mapping of images appearing on aerial photographs.

412—**Remote Sensing of the Environment.** 3 Prerequisite: GHY 411 or permission of instructor. Survey of theory and application of remotely-sensed imageries generated from aircraft and spacecraft for geographic, environmental, and planning purposes.

413—**Field Methods in Geography.** 3 Consideration of basic methods of geographic analysis used in classifying, analyzing, and reporting field-gathered data.

415—**Quantitative Methods in Spatial Analysis.** 3 Prerequisite: A basic course in statistical methods. Application of statistical and other quantitative techniques to problems of spatial analysis.

416—**Computer Applications in Geography.** 3 Prerequisite: one course in FORTRAN programming. Study and application of computer mapping as a tool of geographic analysis.

417—**Geography for Teachers.** 3 A survey of current theories, practices, and techniques used in teaching geography at the elementary and secondary levels.

422—**Geography of Soils.** 3 Study of formulation, distribution, and use of soils; emphasis on soils of south Mississippi; fieldwork and laboratory analysis.

425—**Environmental Climatology.** 3 Study of climatological aspects of atmospheric pollution; includes chemical, medical, legal, economic, and community-planning dimensions of air pollution.

427—**Meteorology.** 3 Prerequisite: PHY 103 or equivalent. Study of the temporal and areal variations in composition, structure, and working of the atmosphere. Practice in use of instruments and measurements.

428—**Synoptic Meteorology.** 3 Analysis of air masses; principles of weather forecasting; drawing and interpretation of daily weather maps; and making weather forecasts.

432—**Environmental Perception.** 3 An analysis of man's perception of his cultural-social environment; considers both the physical and man-made landscape.

435—**Historical Geography of the U.S.** 3 Study of evolution of cultural landscapes of the area now comprising the United States; emphasis on processes of change.

440—**Population and Human Resources.** 3 A geographical analysis of the biological and cultural characteristics of population.

451—**Industrial Location Analysis.** 3 Prerequisite: GHY 350 or permission of instructor. Principles of industrial location analysis; emphasis on theory, locational decision-making, and regional location of manufacturing.

452—**Rural Land Use and Settlement.** 3 Prerequisite: GHY 350 or permission of instructor. Study of characteristic ways that man utilizes rural land—including settlement, landholding, and agricultural patterns.

453—**Transportation and Land Use.** 3 Prerequisite: GHY 350 or permission of instructor. Study of the various transportation modes and the effect they have on contemporary development problems.

460—**Urban Geography.** 3 Prerequisite: GHY 350 or permission of instructor. Review of urban development, processes contributing to development, and effect these processes have on cities.

461—**Socioeconomic Planning.** 3 Compilation, analyses and projection of population, and economic variables as they relate to community and regional planning.

462—**Environmental Planning.** 3 A detailed study of environmental planning analysis and methodology as an element in land-use decision-making systems.

463—**Transportation and Community Facilities.** 3 Examination of community facility and transportation planning and how they relate to the greater goals of the individual and society.

464—**Housing and Land Use Planning.** 3 Examination and analysis of housing and land use patterns in community and regional planning.

465—**Programming and Land Use Regulations.** 3 Consideration of various legal and institutional tools related to implementation of community and regional plans.

466—**Public Policy and the Planning Process.** 3 Deals with function of planning process in formulating effective public policy for development of communities and regions.

469—**Studio-Laboratory: Plan Preparation.** 3 Preparation and presentation of a professional plan as a collaborative community/student group effort. May be repeated with change of content for a total of six (6) hours.

472—**Forest Resource Management.** 3 Study of forest-management principles and practices related to both private and public forest holdings.

473—**Water Resources.** 3 Study of hydrologic processes and their application to needs of cities, industry, agriculture, and recreation.

474—**Watershed Management.** 3 Investigation of watersheds as planning and management units; emphasis on relationship of water to other resources. Game theory used.

475—**Coastal Zone Management.** 3 Study of coastal-zone problems and conflicts; emphasis on multiple-objective planning and resource-management procedures.

491—**Geography and Planning Internship.** 1-9 hrs. arr. May be repeated for a total of nine hours.

492—**Special Problems.** 1-3 hrs. arr. May be repeated for a total of six hours.

GEOLOGY (GLY—340)

SCI 422—**Geophysical Well-Logging.** May also be offered for credit as a geology course.

SCI 426—**Advanced Geophysics.** May also be offered for credit as a geology course.

101—**Physical Geology.** 3 The physical processes in and materials of man's environment. An introductory course.

102—**Physical Geology Laboratory.** 1 Pre- or Corequisite: GLY 101. An elementary study of rocks, minerals, and maps.

103—**Historical Geology.** 3 Prerequisite: GLY 101. A study of Earth history as revealed in the character and fossil content of rocks.

104—**Historical Geology Laboratory.** 1 Introduction to the study of fossils and interpretation of geologic maps. Field trips may be required.

105—**Geology for Construction Technologists.** 3 Study of geological hazards of building and factors concerned with site selection and preparation.

301—**Mineralogy I.** 3 Prerequisites: GLY 101, CHE 101, 102, 103. Elements of crystallography, silicate structure, and determinative mineralogy.

302—**Mineralogy II.** 4 Prerequisite: GLY 301; CHE 361, 362, or 461 is recommended. Elements of chemical and structural mineralogy.

304—**Petrology.** 3 Prerequisite: GLY 301. Principles of rock genesis. Lithology, taxonomy and recognition.

306—**Environmental Geology.** 3 Material and energy systems as they relate to man and his environmental problems.

308—**Structural Geology.** 3 Principles of rock deformation; field trips. Prerequisites: GLY 103 and MAT 103.

310—**Geomorphology.** 3 Field trips. Prerequisites: GLY 101, 102. Study of geologic processes involved in landscape development.

341—**Invertebrate Paleontology.** 4 Prerequisite: GLY 103. Taxonomy, morphological features, and geologic distribution of invertebrate fossils.

401—**Principles of Stratigraphy.** 3 Weekend field trip. Prerequisites: GLY 301, 308, 341 or permission of instructor.

403—**Optical Mineralogy.** 4 Prerequisites: GLY 301 and MAT 103. Introduction to optical mineralogy.

405—**Sedimentology.** 3 Prerequisite: GLY 301. Origin of sedimentary particles, sedimentary structures and classification of sedimentary rocks.

407—**Petrography.** 3 Prerequisites: GLY 304 and 403. Systematic study of rocks by means of the polarizing microscope.

410—**Elements of Geochemistry.** 3 Prerequisites: GLY 301, 302, 304. Chemical processes in the environment as a guide to environmental analysis and geological synthesis.

415—**Clay Mineralogy.** 3 Prerequisites: GLY 101, 302, and CHE 103. Origin, structure, and chemistry of clays, identification techniques, clay-water systems, soil formation and engineering techniques.

420—**Elements of Geophysics.** 3 Prerequisites: GLY 101, MAT 103, PHY 103 (or 203), and consent of instructor. Applications of physics to geological investigations.

441—**Paleoecology.** 3 Prerequisite: GLY 341. A study of the relationship between ancient organisms and the environment in which they lived; field trips.

443—**Micropaleontology I.** 3 Prerequisite: GLY 341. Taxonomy, morphology, and stratigraphic use of Foraminifera; field trips.

450—**Introductory Oceanography.** 3 Prerequisites: GLY 103, CHE 103, PHY 103, and consent of instructor. Basic principles of geological oceanography.

452—**Physical Marine Geology.** 3 Gulf Coast Research Laboratory. Prerequisites: GLY 101, 103. Geological processes sedimentary environments and geomorphological features of Gulf Coast.

454—**Chemical Marine Geology.** 3 Gulf Coast Research Laboratory. Prerequisites: GLY 103, 301, and CHE 103. Supervised research on the chemistry of the coastal waters of Mississippi and geochemistry of the bottoms.

470—**Petroleum Geology.** 3 Prerequisites: GLY 304, 308, 401, or permission of instructor. The origin, occurrence, and accumulation of oil and natural gas; field trips.

472—**Economic Geology.** 3 Prerequisites: GLY 301, 304, 410. Principles of ore genesis.

474—**Geological Excursion.** 1 Field studies of geological phenomena in areas remote from the campus, by means of 8 to 10 days field trips between quarters.

476—**Hydrology.** 3 An introduction to the origin, distribution, movement and properties of the waters of the earth.

492—**Special Problems in Geology.** 3 Prerequisite: Senior standing and permission of the chairman. Independent study or research.

HEALTH AND SAFETY EDUCATION (HSE—715)

101—**Personal Health.** 3 An examination of the relationships of various life-style components to various levels of health.

210—**Introduction to Health Education.** 3 A study of the health education profession, specialties, manpower, and philosophies.

310—**First Aid.** 2 Standard First Aid as approved by the American Red Cross.

311—**Emergency Health Care.** 3 Standard First Aid plus advanced study certifying personnel to conduct first aid courses in school and community. (School of HPER Core)

315—**Anatomical Structures Related to Movement.** 3 Prerequisites: BIO 101 and 102. A study of the anatomical structures pertinent to human movement.

321—**Community Health.** 3 Community control of environmental health hazards and diseases; health agencies.

341—**Safety.** 3 Accident problems, safety programs, and methods of prevention.

342—**Education for Safe Living.** 3 Curriculum development, community resources, and audiovisual materials for teaching safety.

410—**Health Education in Elementary Schools.** 3 Methods and materials with special emphasis on instruction and health program coordination.

411—**Health Education in Secondary Schools.** 3 Materials and techniques for secondary level health instruction and program coordination.

412—**Measurement and Evaluation in Health Education.** 3 A survey of evaluation instruments for appraising and interpreting health data.

414—**Consumer Health.** 3 A survey of consumer problems related to health misconceptions, choosing health services, medical quackery, and advertising of health products.

415—**School Health.** 3 Organization and operation of school health programs with emphasis on policies, procedures, problems, and field work.

420—**Communicable and Chronic Disease in Man.** 3 Problems, control, and prevention of communicable and chronic disease in modern society.

421—**Sanitation.** 3 Sanitation in the home and school, in food production, water supply, waste, and excreta disposal.

422—**Drugs in Society.** 3 Prerequisite: HSE 101 or permission of instructor. Psychosocial, medical, legal, and health aspects of drugs and their abuse.

423—**Curriculum Development in Alcohol Education.** 3 An analysis of alcoholism, instructional approaches, and community resources for teaching alcohol misuse and abuse.

430—**Marriage and Human Sexuality.** 3 Physical, emotional, and medical bases for successful courtship, marriage, and parenthood.

435—**Mental Health Education.** 3 A survey of the content and teaching strategies for mental health education.

440—**Introduction to Driver Education.** 3 Critical analysis of traffic accidents, attitude factors, essential knowledge of automobile operation and traffic law.

441—**Traffic Safety Education.** 3 An in-depth study of the major problems in traffic safety, including driver, pedestrian, engineering, and enforcement.

442—**Laboratory Programs in Driver Education.** 3 An examination of the aims, objectives, and role of laboratory programs in driver education.

443—**Methods of Driver and Traffic Safety Education.** 3 Prerequisite: HSE 440. Methods and techniques to develop competence in transferring knowledge and skills.

444—**Simulation in Driver Education.** 3 Prerequisites: HSE 440 and HSE 443. An audiovisual instructional method designed to complement and supplement other instructional techniques.

445—**Driver Education Laboratory.** 1 This course is designed to provide students who are enrolled in HSE 443 with supervised teaching experience.

446—**Innovative Programs of Driver Education.** 3 New and unique teaching methods of driver and traffic safety education.

488—**Motorcycle Education.** 3 Analysis of the motorcycle traffic problem; methods of teaching classroom and laboratory phases of motorcycle education.

489—**Driver Education for Special Students.** 3 Curriculum development and teaching materials in traffic safety education for special education students.

492—**Independent Study.** 3 A student originated problem, research plan, and reporting of results, with guidance of a chosen adviser.

HISTORY (HIS—272)

ECO 310 and PS 420, 421, and 425 may be selected as history if approved by the student's adviser. No more than six (6) hours of these courses may be counted as history credit.

101—**World Civilization to 1648 A.D.** 3

102—**World Civilization Since 1648 A.D.** 3

140—**United States to 1877.** 3

141—**United States Since 1877.** 3

300—**World History Since 1945.** 3

301—**Modern China and Japan.** 3

303—**Studies in Non-Western History.** 3 May be repeated for a total of nine hours.

310—**The Ancient World.** 3

311—**The Middle Ages.** 3

313—**Early English History.** 3

315—**Studies in European History.** 3 May be repeated for a total of nine hours.

340—Afro-American History. 3

341—Mississippi History. 3

342—U.S. Military History. 3

343—Our Times, the United States Since 1945. 3

344—Studies in United States History. 3 May be repeated for a total of nine hours.

380—Latin American Empires. 3

381—Modern Latin America. 3

382—Studies in Latin American History. 3 May be repeated for a total of nine hours.

411—History of the USSR. 3

412—English Constitutional History. 3

413—Medieval Life and Thought. 3

414—Modern Germany. 3

415—French Revolution and Napoleon. 3

416—Europe, 1815-1870. 3

417—Europe, 1870-1914. 3

418—Europe, 1914-1945. 3

421—Tudor-Stuart Britain. 3

424—Modern European Popular Culture. 3

425—Nineteenth and Twentieth Century Britain. 3

440—The Age of Jefferson and Jackson. 3

441—Popular Thought in America. 3

442—The Old South. 3

443—The New South. 3

445—U.S. Foreign Relations to 1914. 3

446—U.S. Foreign Relations Since 1914. 3

447—Colonial America. 3

448—The American Revolution. 3

450—The Early American Frontier. 3

451—The Western Frontier. 3

452—The Sectional Controversy and the Civil War, 1848-1877. 3

453—The Emergence of Modern America, 1877-1919. 3

454—Twentieth Century America, 1919-1945. 3

456—United States Legal and Constitutional History to 1877. 3

457—United States Legal and Constitutional History Since 1877. 3

480—History of Mexico and the Caribbean. 3

481—History of South America: The Andean Countries. 3

482—History of South America: Brazil and the Rio de la Plata. 3

492—Special Problems. 1-3 hrs. arr.

HOME ECONOMICS EDUCATION (HEE—820)

111—Introduction to Home Economics. 1 A course designed to show the value of home economics in personal and family living, as well as in vocational pursuits.

301—**The Teaching of Home Economics Education.** 3 Prerequisite: Junior standing in home economics. A study of teaching techniques, materials and school procedures, as well as planning and organizing curriculum.

302—**Consumer Education.** 3 Prerequisite: Junior standing. A study of the consumer in the economy with emphasis on making wise decisions in the market place.

402—**Teaching of Home Economics to Adults.** 4 Participation in home economics adult programs with emphasis on those for the lower socio-economic groups.

403—**Student Teaching in Home Economics Education.** 9 Prerequisite: HEE 301 with grade no lower than **B.**

492—**Special Problems in Home Economics Education.** 1-4 hrs. arr.

HONORS COLLEGE (HON—000)

111—**Honors Colloquium.** 3 Major civilizations of the western world.

112—**Honors Colloquium.** 3 Continuation of HON 111.

113—**Honors Colloquium.** 3 Continuation of HON 112.

121—**Honors Composition.** 1 An introduction to writing non-fiction prose.

122—**Honors Composition.** 1 Continuation of HON 121.

123—**Honors Composition.** 1 Continuation of HON 122.

131—**Honors Art.** 1 Art in western civilization.

132—**Honors Art.** 1 Continuation of HON 131.

133—**Honors Art.** 1 Continuation of HON 132.

211—**Honors Colloquium.** 3 Continuation of HON 113.

212—**Honors Colloquium.** 3 Continuation of HON 211.

213—**Honors Colloquium.** 3 Continuation of HON 212.

221—**Honors Composition.** 1 Continuation of HON 123.

222—**Honors Composition.** 1 Continuation of HON 221.

223—**Honors Composition.** 1 Continuation of HON 222.

231—**Honors Music.** 1 Music in western civilization.

232—**Honors Music.** 1 Continuation of HON 231.

233—**Honors Music.** 1 Continuation of HON 232.

241—**Studies in Contemporary Science.** 3 Theoretical, laboratory, and field study of current scientific problems.

242—**Studies in Contemporary Science.** 3 Continuation of HON 241.

301—**Honors Colloquium.** 1 Introductory research methods for Honors students.

302—**Honors Colloquium.** 1 Various topics of contemporary concern.

303—**Honors Colloquium.** 3 Major humanistic topics.

311—**Honors Directed Study.** 3 Independent study for Honors students.

312—**Honors Directed Study.** 3 Continuation of HON 311.

321—**Man, Science, and Society I.** 1 A presentation of major themes in humanities, science, and social science.

322—**Man, Science, and Society II.** 1 Continuation of HON 321.

323—**Man, Science, and Society III.** 1 Continuation of HON 322.

401—**Honors Colloquium.** 1 Various topics of contemporary concern.

402—**Honors Colloquium.** 1 Continuation of HON 401.

403—**Honors Colloquium.** 3 Aspects of civilization.

411—**Honors Directed Study.** 3 Independent study for Honors students.

490—**Honors Colloquium.** 3 The contemporary world.

492—**Honors Research.** 3 Senior project.

Special honors sections are also offered by several departments, as follows: BIO H101, BIO H102, PS H101, SOC H101.

HOTEL AND RESTAURANT ADMINISTRATION (HRA—818)

179—**Introduction to Lodging and Food Service Management.** 3 An introductory course in the lodging, food service and tourism industries.

475—**Food and Beverage Management.** 3 Basic principles and procedures of effective beverage selection, control, and management.

476—**Hotel and Motel Administration.** 3 Organization, management, and operating procedures of lodging facilities.

478—**Seminar in Hotel and Restaurant Industry.** 1-6 hrs. arr. Discussion and analysis of principles, trends, and practices in the industry.

479—**Internship in Lodging and Food Service.** 9 hrs. arr. Structured and supervised on-the-job learning experience in lodging and/or food service.

480—**Hospitality Industry Accounting.** 3 Accounting principles applied to the hospitality industry. Financial statement analysis through case study. Managerial accounting emphasized.

481—**Laws and Regulations of the Travel Industry.** 3 Prerequisites: Junior status, MGT 370. Origin, development, and principles of common and statutory law as they apply to the travel industry.

482—**Marketing of Hospitality and Travel Services.** 3 Prerequisite: MKT 355. Analysis of the planning, developing, and marketing of food, lodging, and travel services.

483—**Dimensions of Tourism.** 3 Prerequisite: ECO 256. Study of the components and forces which influence the international and domestic hospitality and travel industries.

492—**Special Problems in Hotel and Restaurant Administration.** 1-6 hrs. arr.

HOUSING AND HOME MANAGEMENT (HHM—825)

339—**Shelter Components.** 3 Prerequisite: CT 330. A study of materials of architectural interiors and furnishings.

340—**Housing and House Furnishing.** 3 Prerequisite: CT 332. A study of the economic and sociological problems in housing and house furnishings.

341—**Historic Furniture and Interior Design I.** 3 A study of the patterns of historical development and change as revealed in furniture and domestic interiors from the Renaissance through twentieth century, excluding America.

342—**Historic Furniture and Interior Design II.** 3 American furniture styles and interior design.

343—**Budget Decorating.** 3 A problems course related to decorating with limited resources.

345—**Household Equipment.** 3 Prerequisite: FN 261. A study of the selection, operation, care, repair, and arrangement of appliances in the home.

401—**Demonstration Techniques.** 3 Planning and conducting demonstrations for professional home economists.

441—**Field Work in Equipment.** 9 hrs. arr. Field work for those planning to become home economists in business.

442—**Economics of the Home.** 3 Problems of homemaking relating to wise use of resources.

443—**Home Management Residence.** 4 hrs. arr. Prerequisites: FN 163, 261, 362 and HHM 345. (HHM 442 to be taken concurrently.)

492—**Special Problems in Housing and Home Management.** 1-4 hrs. arr. A. Housing—Prerequisite: HHM 340. B. Equipment—Prerequisite: HHM 345.

HUMANITIES (HUM—001)

210—**Man's Precarious Habitat.** 3 A study of physical, biological, social, political, and economic problems of environment.

310—**Greek Culture and Literature in Translation.** 3 A survey of Greek culture and civilization from Homer to Plato.

313—**Latin Culture and Literature in Translation.** 3 A survey of Latin culture and civilization.

314—**History of Music.** 3 An investigation of major developments in music from classical Greece to the modern age.

315—**History of Art.** 3 An investigation of the visual arts in the history of western man.

316—**The Impact of Science on History.** 3 An investigation of the historical importance of science.

380—**History of Philosophy.** 3 An historically oriented introduction to major philosophical ideas.

382—**Introduction to Anthropology.** 3 A comprehensive and indepth introduction to each of the major fields of anthropology.

410—**Readings in Western Literature.** 3 Selected translations of masterpieces of world literature to 1500.

412—**Readings in Western Literature II.** 3 An analysis of selected European literature from 1500 to the present.

INDUSTRIAL AND VOCATIONAL EDUCATION (IVE—165)

116—**Multifield Crafts Laboratory.** 3 An introduction to contemporary art-crafts with laboratory experience and skill development. A multiple activity emphasis.

301—**Applied Electricity.** 3 Introduction to electrical theory. Laboratory experience with basic communications and industrial circuits.

302—**Applied Electronics.** 3 Prerequisite: IVE 301. A continuation of electron theory and laboratory experience with communications and industrial circuits.

303—**Industrial Electronics.** 3 Prerequisite: IVE 302. Solid state integrated circuits. Printed circuit board fabrication and trouble-shooting.

314—**Leather Craft.** 3 Designing, tooling, carving, and finishing leather products.

315—**Plastics.** 3 Materials in common use, project design, and fabrication.

316—**Power Mechanics.** 3 Development and use of all forms of power. Laboratory experiences with gasoline engines.

318—**Materials and Processes of Industry.** 3 A study of manufacturing methods with a wide variety of industrial materials.

319—**Industrial Arts for Elementary Teachers.** 3 A methods course for elementary teachers.

323—**Engineering Drawing I.** 3

324—**Engineering Drawing II.** 3 Prerequisites: IVE 323.

331—**Woodwork.** 3 Introduction to woodworking tools; materials, processes, and products.

332—**Finishing Materials and Applications.** 3 A course covering equipment, materials, and techniques.

333—**Advanced Woodwork.** 3 Prerequisite: IVE 331. Emphasis upon design, machine use, and advanced project construction.

350—**Architectural Drawing.** 3 Practice in drafting contemporary house plans: Floor plans, elevations, sections, details, etc.

360—**General Metals.** 3 Introduction to the field of metal working.

361—**Sheet Metal Fabrication.** 3 Pattern making and metal forming processes.

362—**Machining Processes.** 3 Typical machine operations including turning, drilling, milling, etc.

364—**Welding.** 3 Theory and practice in gas and arc welding.

365—**Casting Technology.** 3 Investigations and laboratory experiences in casting processes.

366—**Decorative Metal Work.** 3 Designing, constructing, and finishing of decorative objects in metal.

400—**Shop Planning and Equipment Selection.** 3 A study of shop layout, equipment specifications, cost, and procurement.

401—**Shop Care and Management.** 3 Organization of students and physical facilities.

402—**History and Philosophy of Industrial Education.** 3 A study of the underlying foundations and principles, leaders, and movements in industrial arts.

403—**Occupational Analysis and Course Construction.** 3 Analyzing occupations into their basic components and arranging for instructional purposes.

404—**Problems of the Coordinator.** 3 A study of the problems, procedures, techniques, etc., in the operation of part-time cooperative education.

420—**Industrial Materials Testing.** 3 A systematic study of common industrial materials, their properties, and application through experiments and research.

421—**Power Transmissions.** 3 A study of mechanical, hydraulic, pneumatic, and electrical power amplification and transmission.

430—**Introduction to Vocational and Technical Education.** 3

431—**Principles of Trade and Industrial Teaching.** 3 A methods course for teaching trade and industrial subjects.

432—**Problems of Adult Education.** 3 Methods and techniques in teaching adults in industrial education classes.

433—**Curriculum Construction for Cooperative and Adult Vocational Classes.** 3 Objectives, content, arrangement and techniques of teaching in part-time cooperative and evening programs.

434—**Occupational Surveys.** 3 Planning and conducting occupational surveys for educational purposes.

435—**Instructional Materials for Industrial Education.** 3 Identification, selection, development, and use of instructional aids in vocational and technical education.

436—**Curriculum Construction for Vocational Technical Education.** 3 Principles, practices, and techniques in planning and establishing a class or program in vocational technical education.

462—**Advanced Machine Tool Techniques.** 3 Advanced study of machine tool operations processes and procedures.

480—**Foundations and Philosophy of Vocational Technical Education.** 3 Objectives, principles, aims, and organization of programs in schools and colleges.

481—**Testing and Evaluation in Technical Education.** 3 Development and utilization of various measuring devices and techniques.

482—**Industrial and Vocational Safety.** 3 Analysis of fundamentals of accident prevention and their application in school and industrial shops.

483—**Occupational Safety.** 3 Organization and administration of safety programs including implementation of the Occupational Safety and Health Act. Primarily for industrial educators.

492—**Industrial Special Problems.** Hrs. arr. Prerequisites: Senior standing and chairman's permission.

INDUSTRIAL TECHNOLOGY (INT—395)

148—**Engineering Graphics.** 3 The basics of engineering drawing: tools and equipment, sketching, projections, dimensioning, and tolerances.

249—**Production Graphics.** 3 Graphical procedures used in industrial processes and product development.

250—**Descriptive Geometry.** 3 Orthographic projection as applied to representation and solution of engineering problems.

300—**Manufacturing Processes.** 3 Elementary manufacturing operations and their combination into manufacturing processes.

306—**Electrical Power System Instrumentation.** 3 Instrumentation and techniques for monitoring electrical power system operation.

308—**Industrial Instrumentation.** 3 Modern methods of measurement and control of process variables; temperature, pressure, liquid level, flow, etc.

312—**Time Domain Analysis and Modeling of Electrical/Electronic Circuits.** 4 Network conventions, transforms, 2-port networks, and other modern analysis techniques.

392—**Special Problems.** 1-3 hrs. arr. Prerequisite: Junior standing; approval of faculty adviser. Individual or group study in area not covered by available courses.

400—**Senior Project.** 3 hrs. arr. Prerequisite: Senior standing; approval of faculty adviser. Student required to complete project in his area of specialization.

401—**Senior Project.** Same as 400.

405—**Production Technology.** 3 Plant layout, materials handling, production evaluation, set-up and maintenance procedures.

406—**Industrial Automation.** 3 Automation and its productive, economic, interpersonal, and supervisory aspects.

407—**Personnel in Technology.** 3 Concepts, principles, techniques, and programs essential to the procurement, development, and utilization of technical personnel.

408—**Innovations in Technology.** 3 Introduction to factors involved in technological change within an industrial operation.

409—**Plant Layout.** 3 Effectiveness of plant layout to the production activity, involving personnel, materials, tools and equipment.

413—**Electronic Communications Systems.** 4 Electronic communications systems devices: filters, antennas, waveguides and their application.

432—**Logic Circuitry.** 4 Prerequisite: Permission of instructor. Logic circuit design: Gates, flip-flops, etc. Emphasis on circuit design.

433—**Logic Circuitry II.** 4 Prerequisite: INT 432 or permission of instructor. Continuation of INT 432. Applications of digital logic circuitry. Microcircuits, microprocessors, and microcomputers.

434—**Design of High-Frequency Communication Circuits.** 4 Design of communication circuits and systems; emphasis on bipolar device circuitry.

440—**Alternate Energy Systems.** 3 Study of alternative sources of energy and power.

442—**Electrical Energy Systems.** 3 Prerequisite: Permission of instructor. AC and DC motors and generators: theory, applications, and control.

443—**Power Plants.** 3 Study of stationary power plants, economics, efficiency, components, fuels, and typical industrial applications.

461—**Electrical Power Generation and Distribution.** 4 Power generation and distribution, load flow, faults, grids, and layout.

462—**Power System Economics.** 3 Prerequisite: INT 461. Economics of power system operation: cost analysis, rate determination, optimum system operation.

463—**Computer Methods in Electrical Power.** 3 Prerequisite: INT 461. Computer-aided analysis and design of electric power systems.

470—**Introduction to Control Systems.** 4 Prerequisite: INT 312. An introduction to general control system theory and applications: servomechanisms, operational amplifiers.

476—**Electrical Safety in Industry.** 3 Electrical equipment safety. Injuries caused by electrical faults. Inspection and maintenance of electrical equipment.

477—**Fire Safety in industry.** 3 Factors contributing to industrial fires. Chemistry and classifications of fires. Fire extinguishers and water systems. Fire Prevention.

491—**Seminar.** 2 Prerequisite: INT 461 and senior standing. Tours, guest lecturers, student presentations, and discussions of the latest methods in the field.

492—**Special Problems.** 1-3 hrs. arr. Prerequisite: Senior standing; approval of faculty adviser. Supervised study in area not covered by available courses.

INSTITUTION ADMINISTRATION (IAD—817)

271—**Problems in Managing a Food Service.** 3 Organizational structure of the federal school lunch program. Emphasis placed on management procedures.

272—**Basic Principles of Quantity Food Service.** 3 Emphasis on planning, preparation and service for large groups.

273—**Sanitation for Institutions.** 3 Emphasis on all phases of sanitation.

370—**Catering.** 2 Principles, techniques and implementation of special functions in food service.

470—**The School Lunch.** 3 Designed to give experience in menu planning, records, food buying and preparing and serving food on quantity level.

471—**Institution Food Purchasing.** 3 Prerequisite: Junior standing. Investigation of marketing conditions, sources, standards, grades, methods, and storage of classes of foods.

472—**Quantity Food Production and Service.** 4 Emphasis on actual food preparation and serving on quantity level.

473—**Food Systems Management.** 6 Food preparation, organization, financial control and personnel management for institution food departments.

474—**Layout and Equipment.** 3 Prerequisite: Junior standing. A study of the layout and function of physical facilities with emphasis on arrangement, selection, cost, and care of equipment.

476—**Food Service Management.** 4 Prerequisite: IAD 472. A study of management of food service systems and the interrelationship of the components of these systems.

492—**Special Problems in Institution Administration.** 1-4 hrs. arr. Prerequisite: Permission of instructor.

JOURNALISM (JOU—212)

102—**Beginning Reporting.** 3

103—**Intermediate Reporting.** 3 Prerequisite: JOU 102. Application of news gathering and writing techniques with emphasis on interviews, speeches and press conferences.

140—**Elements of Photography.** 3

240—**Visual Journalism.** 3 Study and use of the elements of design as used in the photographic image.

300—**Journalism Laboratory.** 1 (May be repeated twice.)

301—**Feature Writing.** 3 Writing and marketing magazine articles.

311—**Editing.** 3

312—**Design Typography.** 3 General survey of type and printing development. Practical exercises in preparation of camera-ready copy through production.

313—**Newspaper Design and Make-up.** 3 Prerequisite: JOU 311.

315—**Editorial Writing.** 3

331—**Print Media Advertising.** 3 Study and practical assignments in copy writing and designing advertising layouts.

341—**Intermediate Photography.** 3 Prerequisite: JOU 140. Photographic techniques and composition for 35mm and 120 format photography.

342—**History of Still Photography.** 3 (Alternate years.)

344—**Photojournalism.** 3 Prerequisite: JOU 140.

346—**Color Photography.** 3 Prerequisite: JOU 341. Color photography and printing techniques using both positive and negative color film.

402—**Advanced Reporting.** 3 Prerequisite: JOU 103. Public affairs reporting emphasizing coverage of city and county governments and the courts.

403—**Specialized Reporting.** 3 Prerequisite: JOU 103. Emphasis on methods of in-depth research and news gathering with writing designed for specific publications.

405—**Problems in Newspaper Production.** 3 Practical training in the production of student newspaper and advising of staffs.

418—**Practicum in Journalism.** 3 Prerequisite: JOU 103 for practicum in news-editorial program; JOU 140 for practicum in photojournalism; JOU 331 for practicum in advertising.

421—**Public Relations.** 3

422—**Publicity Methods.** 3 Prerequisite: JOU 102.

425—**Business and Professional Publications.** 3

428—**Public and Press Relations Management.** 3

440—**Advanced Press Photography.** 3 Prerequisite: JOU 140.

442—**Commercial Print Media Photography.** 3 Prerequisite: JOU 140.

444—**Advanced Commercial Photography.** 3 Prerequisite: JOU 442. Techniques emphasizing professional quality work in the specialized areas of commercial photography.

450—**History of Journalism.** 3

452—**Press and Society.** 3 Study of the relationship between the press and the culture and institutions of society.

460—**Law of the Press.** 3

470—**Newspaper Organization and Management.** 3

492—**Special Problems.** 1-3 hrs. arr.

LIBRARY SCIENCE (LS—170)

101—**Introduction to the Library.** 1 Basic course in keys to information resources. May not be used for a major in library science.

401—**Introduction to Reference Resources and Services.** 3 An introduction to reference materials, services, activities, and functions as well as methods for locating information.

402—**Advanced Reference Resources and Services.** 3 Prerequisite: LS 401. Further study of reference materials and services with emphasis upon current developments.

405—**Cataloging and Classification I.** 3 Principles and methods of cataloging and classifying library materials. Provides practice in bibliographical description and subject analysis.

406—**Cataloging and Classification II.** 3 Prerequisite: LS 405. Advanced study of the principles and methods of descriptive and subject cataloging and classification with attention to non-print materials.

408—**Administration of Library-Media Centers I.** 3 A survey of the objectives, functions, and organization of the library-media center in elementary and secondary schools.

409—**Administration of Library-Media Centers II.** 3 Prerequisite: LS 408. Advanced study of school library media programs with emphasis on the application of administrative principles to planning, budgeting, staffing, and evaluation.

411—**Development of Multi-Media Collections.** 3 Principles governing the selection and procurement of all types of library materials, including the use of selection aids and bibliographic sources.

416—**Audiovisual Media and Equipment.** 3 A survey of media resources and equipment with an emphasis on utilization in libraries. Provides experience with equipment.

417—**Literature and Related Media for Children.** 3 A survey of children's literature, traditional and modern, and other related materials for use by and with children of grades 1-6.

418—**Literature and Related Media for Adolescents.** 3 Study of adolescent literature and other related materials for use by and with young people of grades 7-12.

426—**Film and Television in Libraries.** 3 The conceptualization, production, critiquing, and effective utilization of film and video in planning library services and related activities.

489—**Library Practicum.** 1-4 hrs. arr. Supervised work in a library to provide the student with operational library experience.

491—**School Library-Media Administration Workshop.** 3 Intensive two-week workshop on problems of media center administration. May be taken twice.

492—**Special Problems in Librarianship.** 1-3 hrs. arr. Individual investigation of topics to be approved by the dean.

MANAGEMENT (MGE—620)

360—**Fundamentals of Management.** 3 Introduction to planning, organizing, staffing, directing, and controlling production processes and human behavior in organizations, including the social, legal, and economic environments.

364—**Personnel Management.** 3 Emphasis on procuring, developing, maintaining, and utilizing an effective work force.

370—**Labor Law and Legislation.** 3 A study of legislation and court decisions pertaining to current labor-management relations.

386—**Safety Management.** 3 A study of occupational accident prevention and current legislation regarding occupational health and safety.

454—**Human Relations.** 3 A study of individual and group interaction and behavior in organizations, including motivation and conflict.

455—**Behavioral Issues in Organizations.** 3 An experiential study of organizational behavior with emphasis on development of leadership, communication, and motivational skills.

456—**Industrial Training.** 3 Methods, procedures, and psychology in planning and organizing effective in-service training and development programs for employees and management.

464—**Work Methods and Performance Standards.** 3 Prerequisite: ECO 301. Fundamentals of time study, job standards, and work methods improvement.

465—**Production and Operations Management.** 3 Prerequisite: ECO 301. Development of the I.M. functions of production planning and control, inventory control, quality control, and materials handling.

467—**Quantitative Methods in Management.** 3 Prerequisite: MAT 312. Development of the quantitative methods and techniques used in I.M.

468—**Compensation Administration.** 3 Prerequisite: MGT 360. Wage and salary administration including job analysis, incentive systems, wage survey, and fringe benefits.

472—**Collective Bargaining.** 3 Prerequisite: MGT 370. An integrated study of collective bargaining theory and practical application; cases and role playing.

476—**Managerial Systems Analysis.** 3 Management systems and procedures for improving managerial controls and reducing operating costs.

482—**Production Problems Seminar.** 3 Prerequisite: Background in industrial management. A case approach to such areas as selection and maintenance of equipment, product mix and quality, and production controls.

484—**Problems in Personnel Administration.** 3 Prerequisite: Background in personnel management. Case analysis, incidents, and role playing.

485—**Administrative Policy and Decision Making.** 3 Prerequisite: Completion of business core. A study of policies dealing with production, marketing, finance, and personnel. Case problems and a computer game are utilized.

492—**Special Problems.** 1-3 hrs. arr. Prerequisite: Senior standing and consent of chairman. Directed research on approved topic of interest to the student.

496—**Small Business Counsulting.** 3 Prerequisite: Completion of business core and recommendation of department chairman. Actual problem solving in business.

MARKETING (MKT—625)

300—**Principles of Marketing.** 3 An intergrated managerial-systems approach to the study of the marketing function in organizations. Development of marketing concepts, institutions, functions, and policies are analyzed within the framework of the competitive, legal, economic, and social environment.

322—**Creative Marketing.** 3 Prerequisite: MKT 300. An introductory course in problem-solving techniques which emphasizes creative problem-solving methodology, information processing strategies, and interpersonal behavior in task-oriented groups applied to marketing.

330—**Professional Selling.** 3 Prerequisite: MKT 300. An analysis of the ethics, functions, and techniques of professional selling using a behavioral and managerial approach.

342—**Principles of Retailing.** 3 The operation of retail stores including location, display, merchandise planning and control.

355—**Principles of Advertising.** 3 An introduction to the field of advertising including the background and social impact of today's advertising, media selection, copywriting, layout, visualization, and typography.

365—**Consumer Behavior.** 3 Prerequisite: MKT 300. Analysis of human behavior in the market place. Emphasis is placed on applying concepts from the social sciences to understanding consumer decision processes, buying patterns, and consumer research.

380—**Industrial Marketing.** 3 Prerequisite: MKT 300. Special problems involved in marketing materials, equipment, and supplies to manufacturers, and other business firms.

424—**Marketing Research.** 3 Prerequisite: MKT 300 and ECO 302. A study of the systems, methods, and procedures used in meeting the informational needs of managers in the marketing area for both quantitative and qualitative marketing data.

428—**Marketing Management.** 3 A comprehensive course designed to synthesize the more specialized marketing knowledge of the student, through the study of case histories.

430—**Sales Management.** 3 Prerequisites: MKT 300 and MKT 330. A study of the methods and procedures involved in selection, training, organization, compensation, supervision, and evaluation of salesmen using the modified case method of instruction.

442—**Advanced Retailing.** 3 Prerequisite: MKT 300 and MKT 342. An examination of specific problem areas in retail innovations, spatial competition, and retail mix development.

455—**Advanced Advertising.** 3 Prerequisite: MKT 355. An application of the principles of advertising including areas in trademarks, packaging, research, campaigns, and direct advertising.

458—**Promotion Management.** 3 Prerequisite: MKT 355 or consent of instructor. A practical application and integration of the basic principles from the areas of advertising, personal selling, sales promotion, public relations, and publicity. A modified case approach is used in the course.

495—**International Marketing.** 3 Prerequisites: MKT 300 and MGT 360. The economic, political, and cultural aspects of international business operations.

MARRIAGE AND FAMILY LIFE (MFL—830)

150—**Social Competencies.** 2 A course designed to help the student develop competencies in social interaction.

151—**Personal Development and Interpersonal Relationships.** 3 Identifying student interests and problems arising out of the college life.

351—**Marriage and Family Living.** 3 Prerequisite: Junior or senior standing. A course designed to give better understanding of the factors that contribute to success and happiness in marriage.

451—**Seminar in Marriage Adjustments.** 3 Broad areas of marriage adjustment with emphasis on needs and interests of the group.

452—**Parenthood.** 3 Prerequisite: MFL 351 or permission of instructor. Preparation for parenthood. Family planning, role analysis, and family interaction.

492—**Special Problem in Marriage and Family Living.** 1-4 hrs. arr. Prerequisites: MFL 351 and consent of instructor.

MATHEMATICS (MAT—350)

101—**College Algebra.** 3 Polynomials, factoring, functions and graphs, linear and quadratic equations and inequalities.

103—**Plane Trigonometry.** 3 Trigonometric functions and their inverses, trigonometric identities and equations, solutions of triangles, logarithms.

111—**Mathematical Calculations.** 1 Use of mini-calculators to obtain numerical results through the application of a variety of basic mathematical formulas.

112—**Applied Algebra for Problem Solving.** 3 Prerequisite: MAT 101. Sets, relations, functions, graphs, logarithms, sequences, interest, equations, matrices, inequalities.

120—**Mathematics for the Arts and Humanities.** 3 Basic mathematical concepts from logic, algebra, probability, statistics, computers, and modern applications.

The above courses are open only to freshmen. Other students desiring to take these courses must have approval from the chairman of the Mathematics Department.

131—**Algebra for Technology.** 3 Basic college algebra with applications to modern technology.

133—**Trigonometry for Technology.** 3 Prerequisite: MAT 131. Basic concepts from trigonometry with specific applications to modern technology.

171—**Analytic Geometry.** 3 Prerequisite: Trigonometry. Equations of lines, conic sections, rectangular and polar coordinates, translation and rotation of axes.

199—**Developmental Mathematics.** 3 Fundamental operations with integers, rational numbers, and real numbers; set language, elementary algebra. (Will not satisfy core requirement.)

210—**Mathematics for Elementary Teachers I.** 3 The real number system and its major subsystems: natural numbers, integers, rational numbers. (Open only to elementary and special education majors.)

236—**Introduction to Calculus in Technology.** 3 Prerequisite: MAT 133. Plane analytic geometry, differentiation and integration with applications to curvilinear motion, related rates, curve sketching and areas.

237—**Applications of Calculus in Technology.** 3 Prerequisite: MAT 236. Continuations of techniques of differentiation and integration. Areas, volumes, centroids, moments of inertia, and an introduction to first and second order differential equations.

276—**Calculus I.** 3 Prerequisite: MAT 103. Functions, limits, differentiation, integration.

277—**Calculus II.** 3 Prerequisite: MAT 276. Application of differentiation and integration, trigonometric and transcendental functions.

310—**Mathematics for Elementary Teachers II.** 3 Prerequisite: MAT 210. Basic concepts of algebra and informal geometry. (Open only to elementary and special education majors.)

312—**Applied Mathematics for Business Decision Making.** 3 Prerequisite: MAT 112. Linear programming, elementary functions, differential and integral calculus with applications. (A student who receives credit for at least one of the calculus courses, MAT 276, 277, 378, 379, cannot use these courses to satisfy any degree requirements.)

320—**Introductory Probability and Mathematical Statistics.** 3 Prerequisite: MAT 276 or permission of instructor. Fundamental principles and techniques in probability and mathematical statistics.

326—**Linear Algebra I.** 3 Prerequisite: MAT 276. Vector spaces, systems of linear equations, linear transformations, matrices, inner products.

341—**Foundations of Mathematics.** 3 Prerequisite: Consent of instructor. Logic, set theory, relations, functions, cardinal numbers.

370—**Introductory Geometry.** 3 Introduction to elementary Euclidean geometry and formulas related to two and three-dimensional space.

378—**Calculus III.** 3 Prerequisite: MAT 277. Techniques in integration, parametric equations, polar coordinates, vectors.

379—**Calculus IV.** 3 Prerequisite: MAT 378. Partial differentiation, multiple integrals, indeterminate forms, infinite series.

405—**Introduction to Differential Equations I.** 3 Prerequisite: MAT 378. Linear ordinary differential equations with applications; an introduction to power series solutions.

410—**Mathematics for Teachers of Junior High School Mathematics.** 3 Numbers and infinite sets, geometry, non-Euclidean geometry, coordinate geometry, trigonometry, functions, probability, statistics. (Open only to elementary and special education majors or as an elective for mathematics majors.)

411—**Vector Analysis.** 3 Prerequisite: MAT 379. Vector valued functions, space curves, line and surface integration, the divergence theorem, Green's and Stokes theorems.

415—**Introduction to Differential Equations II.** 3 Prerequisite: MAT 405. Systems of linear differential equations, characteristic equations, operator methods, approximating solutions, Laplace transforms.

417—**Partial Differential Equations.** 3 Prerequisites: MAT 405 and MAT 411. Intergrability conditions, quasilinear and linear equations, applications to physics, classification of second order equations and canonical forms, separation of variables.

418—**Linear Programming.** 3 Prerequisite: MAT 326. Convex sets. linear inequalities, extreme-point solutions, simplex procedure, applications.

419—**Optimization in Mathematical Programming.** 3 Prerequisites: MAT 326 and MAT 379. Selected topics in optimization from linear and nonlinear programming.

420—**Statistics and Probability.** 3 Prerequisite: MAT 341. Permutations, combinations, binomial and multinomial theorems, induction, graphic methods, basic statistical concepts.

421—**Number Theory.** 3 Prerequisite: MAT 341. Induction, well-ordering, division algorithm, Euclidean algorithm, Fundamental Theorem of arithmetic, number theoretic functions, congruences.

423—**Modern Algebra I.** 3 Prerequisite: MAT 341. Survey of standard algebraic systems: rings, integral domains, fields, modules, polynomial rings, quotient rings, fields of quotients.

424—**Modern Algebra II.** 3 Prerequisite: MAT 423. Elementary notions in groups, Fundamental Theorem of Finitely Generated Groups, permutation groups, quotient groups, the isomorphism theorems, applications of transformation groups.

425—**Fourier Series.** 3 Prerequisites: MAT 326 and MAT 405. Orthogonal functions, Fourier series, convergence and applications.

426—**Linear Algebra II.** 3 Prerequisite: MAT 326. Determinants, polynomals complex numbers, single linear transformations, orthogonal, unitary and symmetric linear transformations.

430—**Introduction to Applied Mathematics.** 3 Prerequisites: MAT 326, MAT 405, CSS 240. Applications of ordinary and partial differential equations to dynamical and electrical systems, heat transfer and diffusion problems.

435—**Laplace Transform.** 3 Corequisite: MAT 405. Transforms, inverse transforms, convolution theorem, differentiation and integration of transforms, applications to differential equations.

436—**Theory of Functions of Complex Variable I.** 3 Prerequisite: MAT 379. Complex numbers and functions, limits, continuity, differentiation, analytic function, branches, contour integration, series.

441—**Advanced Calculus I.** 3 Prerequisites: MAT 379 and MAT 341. Point set theory, sequences, continuity, uniform continuity, limits, mean value theorems, L'Hospital's rule.

442—**Advanced Calculus II.** 3 Prerequisite: MAT 441. Riemann integration, Taylor's theorem, improper integrals, infinite series, uniform convergence.

443—**Advanced Calculus III.** 3 Prerequisite: MAT 442. Directional derivatives, partial derivatives, differentials, inverse and implicit functions.

460—**Numerical Analysis I.** 3 Prerequisites: MAT 326, MAT 379, CSS 240. Methods of solving equations and systems of equations, error analysis, difference equations.

461—**Numerical Analysis II.** 3 Prerequisites: MAT 405, MAT 460, CSS 340. Interpolating polynomial, numerical differentiation and integration, numerical solutions of differential equations, round off error.

470—**Geometry.** 3 Prerequisites: Secondary school geometry and MAT 341. Modern Euclidean geometry, non-Euclidean geometries, historical topics.

473—**Metric Spaces.** 3 Prerequisite: MAT 341. Continuity, Hausdorff and countability axioms, products, Euclidean spaces, connectedness, compactness, Heine-Borel and Bolzano-Weierstrass theorems.

475—**General Topology I.** 3 Prerequisites: MAT 341 and MAT 378. General topological spaces, bases and subbases, contintuiy.

476—**General Topology II.** 3 Prerequisite: MAT 475. Connectedness, separation, axioms, countability axioms, compactness, metrizability.

492—**Special Problems I, II.** 1-3 hrs. arr. Prerequisite: Approval of department chairman.

494—**Undergraduate Mathematics Seminars I, I.** 1 Prerequisite: Consent of instructor. Topics of current interest.

MECHANICAL TECHNOLOGY (MET—397)

313—**Mechanical Production Technology.** 3 Study of jigs and fixtures, mass production techniques, product design, etc.

320—**Environmental Controls.** 3 Prerequisites: PHY 331, MET 323. Theory and practice of environmental control within closed spaces.

321—**Tool and Fixture Design.** 3 Prerequisite: INT 250. Design and fabrication of production tools, jigs, gages, etc., with emphasis on dimensional control.

322—**Mechanical Power Transmission.** 3 Prerequisites: ACT 375, MAT 236. Fundamentals of dynamics; kinetics, periodic motion, and energy methods.

323—**Fluid Mechanics.** 3 Prerequisite: ACT 376. Fluid statics and applications of fluid dynamics principles to the analysis and design of fluid systems.

330—**Air Conditioning Design I.** 3 Basic A/C principles and concepts as applied to residential and small commercial systems.

331—**Air Conditioning Design II.** 3 Prerequisite: MET 330. Basic A/C principles and concepts as applied to large commercial systems.

332—**Air Conditioning Design III.** 3 Prerequisite: MET 231. An advanced course in air conditioning systems design.

361—**Kinematics.** 3 Prerequisites: ACT 376, INT 250. Graphical and analytical analysis of mechanisms.

362—**Machine Design.** 3 Prerequisite: MET 361. Design and selection of mechanical elements used in machines.

392—**Special Problems.** 1-3 hrs. arr. Prerequisites: Junior standing and approval of faculty adviser. Individual or group study in an area not covered by available courses.

400—**Senior Project.** 3 hrs. arr. Prerequisite: Senior standing; approval of faculty adviser. Student required to complete a project in his area of specialization.

401—**Senior Project.** Same as 400.

410—**Production Materials.** 3 Prerequisites: PSC 330, ACT 376. Study of properties of materials for cutting, drilling, forming, and heat treating operations.

411—**Industrial Testing.** 3 Prerequisite: ACT 376. Destructive and nondestructive testing of materials and structures.

441—**Mechanical Energy Systems.** 3 Prerequisite: PHY 331. Applications of thermodynamics to power producing devices.

444—**Solar Heating and Cooling.** 3 Solar Energy conversion methods; collectors; residential, commercial solar, heating and cooling, economics of solar energy. Total energy systems.

492—**Special Problems.** 1-3 hrs. arr. Prerequisite: Senior standing and approval of faculty adviser. Supervised study in area not covered by available courses.

MEDICAL TECHNOLOGY (MTC—354)

101—**Introduction to Medical Technology.** 1 An introduction for incoming students to the aims, objectives, and requirements for a career in medical technology.

302—**Clinical Bacteriology I.** 3 Prerequisites: MIC 101, MIC 411 and MIC 412 and permission of instructor. Emphasis on laboratory organization in the area of specimen handling, quality control, laboratory safety, budgeting and supplies.

306—**Fundamentals of Hematology.** 3 Prerequisite: Permission of instructor. An introduction to the study of blood and blood forming organs.

309—**Clinical Chemistry I.** 3 Prerequisites: Medical Technology majors or permission of instructor. An introduction to the basic principles of clinical chemistry.

400—**Orientation and Ethics.** 2 To acquaint the student with professional ethics pertaining to the laboratory as well as his role in the field of health services.

401—**Urinalysis.** 1 Analysis of the physical, chemical, and microscopic examination of urine with emphasis on understanding the kidney function in diseases.

402—**Clinical Bacteriology II.** 4 Laboratory methods of isolation, identification, and other testing of pathogenic bacteria in the relation of disease.

403—**Clinical Mycology.** 1 The study of pathogenic fungi. Emphasis is placed on laboratory methods of isolation and identification.

404—**Clinical Virology.** 1 The study of pathogenic viruses. Emphasis is placed on laboratory methods of isolation and identification of these agents of disease.

405—**Clinical Parasitology I.** 1 A lecture and laboratory course on the classification and identification of parasites of pathologic importance to man.

406—**Hematology I.** 6 The study of blood cells and their abnormalities with emphasis on procedures of laboratory examination.

407—**Clinical Serology I.** 1 An introduction to serologic testing, theory, and practical experience involving antigen-antibody reactions in relation to disease in man.

408—**Blood Bank I.** 3 The theory and techniques of processing blood for transfusion purposes.

409—**Clinical Chemistry II.** 4 The qualitative and quantitative chemical analysis of blood, urine, cerebrospinal fluid, and other body fluids.

410—**Clinical Isotope Methodology.** 1 An introduction to the handling and use of radioactive materials as they are used in the clinical laboratory.

411—**Cytogenetics.** 1 Karyotyping, dermatoglyphic patterns, and other techniques used in medical cytogenetics.

412—**Introduction to Pathology.** 1 Introduction to the physical and chemical alterations which take place in the human body in the diseased state.

451—**Blood Collection and Urinalysis.** 2 Clinical training at one of the affiliated hospital laboratories.

452—**Clinical Microbiology.** 4 Clinical training at one of the affiliated hospital laboratories.

455—**Clinical Parasitology II.** 2 Clinical training at one of the affiliated hospital laboratories.

456—**Hematology II.** 5 Clinical training at one of the affiliated hospital laboratories.

457—**Clinical Serology II.** 2 Clinical training at one of the affiliated hospital laboratories.

458—**Blood Bank II.** 4 Clinical training at one of the affiliated hospital laboratories.

459—**Clinical Chemistry III.** 7 Clinical training at one of the affiliated hospital laboratories.

492—**Special Problems in Medical Technology I, II, III, IV.** 2-8 hrs. arr. Assignment of a specific clinical problem in medical technology under faculty direction.

MICROBIOLOGY (MIC—310)

101—**General Microbiology.** 3 Introduction to basic characteristics of microorganisms.

261—**Microorganisms in Foods.** 3 Microbiology of domestic and commercially prepared foods.

301—**Advanced General Microbiology.** 3 Prerequisites: MIC 101 and CHE 101. Current concepts in microbiology. Laboratory devoted to advanced techniques.

401—**Microorganisms in Health and Disease I.** 3 A comprehensive survey of microorganisms of public health significance for nursing students.

402—**Microorganisms in Health and Disease II.** 3 A continuation of MIC 401.

408—**Advanced Microbiological Techniques.** 3 Prerequisites: MIC 301 and CHE 353.

411—**Pathogenic Microbiology.** 3 Prerequisite: MIC 301. Schemes for isolation and identification of major groups of disease producing microorganisms.

412—**Advanced Pathogenic Microbiology.** 3 Prerequisite: MIC 411. Continuation of MIC 411 on an advanced level.

413—**Medical Mycology.** 3 Prerequisite: Permission of instructor. Consideration of the fungi of medical significance.

421—**Virology and Tissue Culture.** 3 Prerequisites: MIC 301. Survey of viruses and viral classification, including viral diseases, involving tissue culture techniques.

422—**Viral Pathogenesis and Diagnosis.** 3 Host-Virus interaction from a pathological and immunological viewpoint with isolation and laboratory characterization.

441—**Immunology and Serology.** 3 Prerequisite: MIC 412. Studies of infection, resistance, types of immunity, and hypersensitivity.

455—**Microbial Physiology.** 3 Prerequisite: MIC 301. Studies of the microorganisms response to the environment by means of adaptive control mechanisms.

461—**Food Microbiology.** 3 Prerequisite: MIC 301. Microorganisms affiliated with the preparation, spoilage, pathogenicity, and sanitation of foods.

462—**Dairy Microbiology.** 3 Prerequisite: MIC 301. The preservation, fermentation, and spoilage of milk and dairy products.

471—**Microbiology of Water and Sewage.** 3 Prerequisites:MIC 301 and CHE 353. Control of pure water supply.

492—**Microbiological Problems I, II, III.** 2-6-hrs. arr. Given only by special arrangement.

MILITARY SCIENCE (MS—276)

Basic Military Science

111—**Fundamentals of Leadership and Management I.** 1 Introduction to the Army ROTC Program to include a study of the basic skills necessary for developing leadership.

114—**Fundamentals of Leadership and Management II.** 1 A study of the basic skills necessary for proficient land navigation.

115—**Adventure Training.** 1 A study of the very basic skills necessary for orienteering, mountaineering, survival, first aid, and life savings procedures.

211—**Fundamentals of Leadership and Management III.** 1 The fundamentals and techniques of leadership and small unit tactics.

214—**Fundamentals of Leadership and Management IV.** 1 The study of advanced skills in unit tactics, map reading, and the use of aerial photographs.

215—**Adventure Training.** 1 An advanced study of the techniques required for orienteering, mountaineering, survival, first aid, and life saving procedures. This course is designed to present an in-depth study of the above subjects through the use of practical exercises and hands-on-training.

Advanced Military Science

301—**Basic Problems in Small Unit Leadership.** 3 Study of the functional approach to small unit leadership and the branches of the Army.

302—**Small Unit Tactics and Communications.** 3 Study of the tactical employment concepts at small unit level and battalion communications.

303—**Principles of Military Instruction.** 3 Course designed to familiarize the student with the principles of military instruction.

401—**Military Team I.** 3 A study of combat operations, military teams, staff procedures in military operations, and role of the officer in logistical planning.

402—**Military Team II and Leadership and Management I.** 3 Introduction to management aspects of military justice and administration at the junior officer level.

403—**Leadership and Management II.** 3 Study of the military aspects of world affairs, guerrila warfare, and obligations and responsibilities of an officer.

492—**Special Projects.** 1-3 hrs. arr.

MUSIC (MUS—675)

100—**Introduction to Music Theory.** 3 An introductory course in the fundamentals of music theory. Open to all University students. May not be applied toward a degree in music.

101—**Music Theory.** 3 Prerequisite: A knowledge of music notation. Scales, intervals, and part-writing, using triads, the dominant seventh chord, non-harmonic tones, modulation, dictation, and sight-singing.

102—**Music Theory.** 3 Prerequisite: MUS 101. A continuation of MUS 101.

131—**Survey of Music Literature.** 3 An introductory course surveying the major areas of music history style periods.

201—**Advanced Music Theory.** 3 Prerequisites: MUS 101, 102. Part-writing, including secondary seventh chords, borrowed chords, altered chords, foreign modulation, dictation, and sightsinging.

202—**Advanced Music Theory.** 3 Prerequisites: MUS 101, 102, 201. A continuation of MUS 201.

231—**History of Music.** 2 Prerequisites: MUS 131 and MUS 101, 102. Music in Western civilization traced from its primitive sources to the present.

232—**History of Music.** 2 Prerequisites: MUS 131, 231, and MUS 101, 102. A continuation of MUS 231.

233—**History of Music.** 2 Prerequisites: MUS 131, 231, 232 and MUS 101, 102. A continuation of MUS 232.

301—**Twentieth-Century Harmony.** 3 Prerequisites: MUS 101, 102, 201, 202. Investigation of the various styles and harmonic elements of 20th-Century music, coupled with practical applications.

302—**Form and Analysis.** 3 Prerequisites: MUS 201, 202. Music of various periods is analyzed formally, harmonically, and contrapuntally.

311—**Composition.** 2 Prerequisites: MUS 301, 302. Composition in the smaller forms. Contemporary and stylistic techniques. Steps in the preparation of music for publication are included.

321—**Counterpoint.** 2 Prerequisites: MUS 201, 202. Two, three, and four-voice contrapuntal writing in the style of Palestrina.

322—Counterpoint. 2 Prerequisites: MUS 201, 202. Two, three, and four-voice contrapuntal writing in the style of Bach.

351—History of Church Music. 3 History of Christian Church music, with emphasis on the use of literature.

360—Stylistic Developments in Jazz. 3 Study of the development of jazz idioms. Includes elements of jazz history leading to study of more complex idioms.

365—The Enjoyment of Music. 3 Study of the basic elements of music necessary for intelligent listening and appreciation. This course may not be applied toward a Bachelor of Music or Bachelor of Music Education degree, or a music minor.

367—Improvisation. 1 Study and performance of jazz improvisation.

375—Techniques of Scoring for Jazz Ensembles. 2 Study in composing and arranging music for jazz ensembles.

401—Instrumentation. 3 Prerequisites: MUS 201, 202. Study of the instruments of the band and orchestra. Scoring for small instrumental ensembles.

431—History of Opera. 3 The history of the musical theatre from Greek drama to the present. Open to non-music majors with consent of instructor.

432—American Music. 3 Study of the development of music in North America. Open to non-music majors with consent of instructor.

433—20th-Century Music. 3 1977. Examination of musical trends since Debussy and Mahler. Open to non-music majors with consent of instructor.

434—Ancient, Medieval, and Renaissance Music. 3 A study of the rise of music in the ancient world, the beginning of western music, and of polyphony. Open to non-music majors with consent of instructor.

435—Baroque Music. 3 The development of musical styles and forms from Monteverdi through J.S. Bach. Open to non-music majors with the consent of instructor.

436—18th-Century Music. 3 The development of classical styles and forms, emphasis on style gallant, Empfindsamer Stil, and the Viennese classicists. Open to non-music majors with consent of instructor.

437—19th-Century Music. 3 1979. The development of musical romanticism, emphasis on the expression of classical forms and the appearance of new stylistic concepts. Open to non-music majors with consent of instructor.

439—Diction. 3 Introduction to phonetics of various foreign languages for singing. May be repeated once. Second registration permitted only when languages emphasized are different.

440—Vocal Literature. 2 Required of all senior voice majors.

441—Vocal Literature. 2 A continuation of MUS 440.

442—Piano Literature. 2 Required of all senior piano majors.

443—Piano Literature. 2 A continuation of MUS 442.

444—Organ Literature. 2 Required of all organ majors.

445—Organ Literature. 2 A continuation of MUS 444.

446—Instrumental Literature. 2 Required of all senior instrumental majors.

447—Instrumental Literature. 2 A continuation of MUS 446.

448—Choral Literature. 2 A survey of accompanied and unaccompanied choral music from Gregorian chant through Handel.

449—Choral Literature. 2 A continuation of MUS 448.

450—Symphonic Literature. 3 History and literature of the symphony orchestra from 1600 to the present. Open to non-music majors with consent of instructor.

451—**Chamber Music Literature.** 3 A survey of music for small instrumental ensembles. Open to non-music majors with consent of instructor.

455—**Arranging for the Marching Band.** 2 Designed to provide the beginning arranger with the essential techniques of scoring for the outdoor band.

456—**Choral Arranging.** 2 Basic concepts and techniques of scoring for voices, with emphasis on arranging rather than on original compositions for chorus.

459—**Church Music Colloquium.** 3 Philosophies of church music as well as the administration, liturgies, and related materials will be studied.

462—**Hymnology.** 3 History of the Christian hymn from its roots to present-day form.

467—**Improvisation.** 1 A continuation of MUS 367.

468—**Improvisation.** 1 A continuation of MUS 467.

470—**Organization and Management of Jazz Ensembles.** 3 Studies in general management of commercial and academically-oriented jazz groups.

475—**Advanced Techniques of Scoring for Jazz Ensembles.** 2 A continuation of MUS 375.

476—**Advanced Techniques of Scoring for Jazz Ensembles.** 2 A continuation of MUS 475.

477—**Advanced Techniques of Scoring for Jazz Ensembles.** 2 A continuation of MUS 476.

492—**Special Problems.** 1-3 hrs. arr. Prerequisite: Permission of department chairman.

MUSIC—APPLIED AND ORGANIZATIONS (APM—670)

First Year

101-102-103—**Piano.** 1-2 hrs. arr.

111-112-113—**Organ.** 1-2 hrs. arr.

114-115-116—**Flute.** 1-2 hrs. arr.

117-118-119—**Oboe.** 1-2 hrs. arr.

120-121-122—**Clarinet.** 1-2 hrs. arr.

123-124-125—**Saxophone.** 1-2 hrs. arr.

126-127-128—**Bassoon.** 1-2 hrs. arr.

129-130-131—**Horn.** 1-2 hrs. arr.

132-133-134—**Trumpet.** 1-2 hrs. arr.

135-136-137—**Trombone.** 1-2 hrs. arr.

138-139-140—**Euphonium.** 1-2 hrs. arr.

141-142-143—**Tuba.** 1-2 hrs. arr.

144-145-146—**Violin.** 1-2 hrs. arr.

147-148-149—**Viola.** 1-2 hrs. arr.

150-151-152—**Cello.** 1-2 hrs. arr.

153-154-155—**String Bass.** 1-2 hrs. arr.

156-157-158—**Percussion.** 1-2 hrs. arr.

161-162-163—**Voice.** 1-2 hrs. arr.

164-165-166—**Harp.** 1-2 hrs. arr.

167-168-169—**Guitar.** 1-2 hrs. arr.

171-172-173—**Ensemble.** 1 hr. arr.

191-192-193—**Composition.** 1 hr. arr.

181—**Orchestra.** 1 hr. (May be taken three times)

182—**Band.** 1 hr. (May be taken three times)

183—**Chorus.** 1 hr. (May be taken three times)

184—**Jazz Lab Band.** 1 hr. (May be taken three times)

199—**Recital Class.** 0 hrs. (Two semesters)

Second Year

201-202-203—**Piano.** 1-2 hrs. arr.

211-212-213—**Organ.** 1-2 hrs. arr.

214-215-216—**Flute.** 1-2 hrs. arr.

217-218-219—**Oboe.** 1-2 hrs. arr.

220-221-222—**Clarinet.** 1-2 hrs. arr.

223-224-225—**Saxophone.** 1-2 hrs. arr.

226-227-228—**Bassoon.** 1-2 hrs. arr.

229-230-231—**Horn.** 1-2 hrs.

232-233-234—**Trumpet.** 1-2 hrs. arr.

235-236-237—**Trombone.** 1-2 hrs. arr.

238-239-240—**Euphonium.** 1-2 hrs. arr.

241-242-243—**Tuba.** 1-2 hrs. arr.

244-245-246—**Violin.** 1-2 hrs. arr.

247-248-249—**Viola.** 1-2 hrs. arr.

250-251-252—**Cello.** 1-2 hrs. arr.

253-254-255—**String Bass.** 1-2 hrs. arr.

256-257-258—**Percussion.** 1-2 hrs. arr.

261-262-263—**Voice.** 1-2 hrs. arr.

264-265-266—**Harp.** 1-2 hrs. arr.

267-268-269—**Guitar.** 1-2 hrs. arr.

271-272-273—**Ensemble.** 1 hr. arr.

291-292-293—**Composition.** 1 hr. arr.

281—**Orchestra.** 1 hr. (May be taken three times)

282—**Band.** 1 hr. (May be taken three times)

283—**Chorus.** 1 hr. (May be taken three times)

284—**Jazz Lab Band.** 1 hr. (May be taken three times)

299—**Recital Class.** 0 hrs. (Two semesters)

Third Year

301-302-303—**Piano.** 1-2 hrs. arr.

311-312-313—**Organ.** 1-2 hrs. arr.

314-315-316—**Flute.** 1-2 hrs. arr.

317-318-319—**Oboe.** 1-2 hrs. arr.

320-321-322—**Clarinet.** 1-2 hrs. arr.

323-324-325—**Saxophone.** 1-2 hrs. arr.

326-327-328—**Basson.** 1-2 hrs. arr.

329-330-331—**Horn.** 1-2 hrs. arr.

332-333-334—**Trumpet.** 1-2 hrs. arr.

335-336-337—**Trombone.** 1-2 hrs. arr.

338-339-340—**Euphonium.** 1-2 hrs. arr.

341-342-343—**Tuba.** 1-2 hrs. arr.

344-345-346—**Violin.** 1-2 hrs. arr.

347-348-349—**Viola.** 1-2 hrs. arr.

350-351-352—**Cello.** 1-2 hrs. arr.

353-354-355—**String Bass.** 1-2 hrs. arr.

356-357-358—**Percussion.** 1-2 hrs. arr.

361-362-363—**Voice.** 1-2 hrs. arr.

364-365-366—**Harp.** 1-2 hrs. arr.

367-368-369—**Guitar.** 1-2 hrs. arr.

371-372-373—**Ensemble.** 1 hr. arr.

375-376-377—**Accompanying.** 1 hr. arr.

391-392-393—**Composition.** 1-2 hrs. arr.

370—**Recital.** 0-1 hr. arr.

381—**Orchestra.** 1 hr. (May be taken three times)

382—**Band.** 1 hr. (May be taken three times)

383—**Chorus.** 1 hr. (May be taken three times)

384—**Jazz Lab Band.** 1 hr. (May be taken three times)

399—**Recital Class.** 0 hrs. (Two semesters)

Fourth Year

401-402-403—**Piano.** 1-2 hrs. arr.

411-412-413—**Organ.** 1-2 hrs. arr.

414-415-416—**Flute.** 1-2 hrs. arr.

417-418-419—**Oboe.** 1-2 hrs. arr.

420-421-422—**Clarinet.** 1-2 hrs. arr.

423-424-425—**Saxophone.** 1-2 hrs. arr.

426-427-428—**Bassoon.** 1-2 hrs. arr.

429-430-431—**Horn.** 1-2 hrs. arr.

432-433-434—**Trumpet.** 1-2 hrs. arr.

435-436-437—**Trombone.** 1-2 hrs. arr.

438-439-440—**Euphonium.** 1-2 hrs. arr.

441-442-443—**Tuba.** 1-2 hrs. arr.

444-445-446—**Violin.** 1-2 hrs. arr.

447-448-449—**Viola.** 1-2 hrs. arr.

450-451-452—**Cello.** 1-2 hrs. arr.

453-454-455—**String Bass.** 1-2 hrs. arr.

456-457-458—**Percussion.** 1-2 hrs. arr.

461-462-463—**Voice.** 1-2 hrs. arr.

464-465-466—**Harp.** 1-2 hrs. arr.

467-468-469—**Guitar.** 1-2 hrs. arr.

471-472-473—**Ensemble.** 1 hr. arr.

475-476-477—**Accompanying.** 1 hr. arr.

491-492-493—**Composition.** 1-2 hrs. arr.

470—**Recital.** 1-2 hrs. arr.

481—**Orchestra.** 1 hr. (May be taken three times)

482—**Band.** 1 hr. (May be taken three times)

483—**Chorus.** 1 hr. (May be taken three times)

484—**Jazz Lab Band.** 1 hr. (May be taken three times)

499—**Recital Class.** 0 hrs. (Two semesters)

MUSIC EDUCATION (MED—680)

221—**String Class.** 1 Practical class instruction on all strings. Problems of beginning students; material for public school classes.

222—**String Class.** 1 A continuation of MED 221.

301—**Voice Class.** 2 Designed to give the instrumental major a general knowledge of vocal and choral techniques.

311—**Elementary Music Methods.** 3 Music education programs for the elementary student. Emphasis is placed on the total curriculum.

312—**Secondary Music Methods.** 3 Prerequisite: MED 311. Consideration of the secondary music program. Special attention is given to the development of a balanced curriculum.

321—**String Methods.** 1 Instruction on all strings for students not following the curriculum in instrumental music education.

322—**Woodwind Methods.** 1 Instruction on clarinet, flute, oboe, bassoon for students not following the curriculum in instrumental music education.

323—**Brass Methods.** 1 Instruction on all brasses for students not following the curriculum in instrumental music education.

331—**Conducting.** 1 Prerequisites: MUS 201, 202, or consent of instructor. Techniques of choral and instrumental conducting.

332—**Conducting.** 1 A continuation of MED 331.

333—**Conducting.** 1 A continuation of MED 332.

361—**Music for Elementary Teachers I.** 3 Designed to provide students with a basic knowledge of notation, singing, and the use of the autoharp and piano. May not be applied to music degrees.

362—**Music for Elementary Teachers II.** 3 Prerequisite: MED 361. Application of the fundamental skills of MED 361 in the selection of music materials and methods of presentation. May not be applied toward music degrees.

382—**Recreational Music.** 3 Prerequisite: MED 361 or consent of instructor. Materials and techniques useful in developing recreational music programs.

390—**Piano Workshop.** 2 Designed to meet the needs of the piano teacher, including a survey of materials and modern teaching methods. Course cannot be applied to any music degree.

391—**Instrumental Workshop.** 2 Survey and analysis of problems relating to instrumental music education through lecture, performance, and discussion. Course cannot be applied to any music degree.

392—**Choral Workshop.** 2 Examination, study, and analysis of choral techniques and procedures. Course cannot be applied to any music degree.

393—**Elementary Music Workshop.** 2 Intensive examination of current problems, trends, and materials in elementary music education. Course cannot be applied to any music degree.

411—**Choral Methods and Curriculum Problems.** 3 Organization and administration of choral activities in secondary schools.

412—**Instrumental Methods and Curriculum Problems.** 3 Techniques of developing successful marching/concert bands and orchestras. Emphasis on current trends in music education.

421—**Woodwind Class.** 1 Study of basic techniques in the pedagogy of all major woodwind instruments.

422—**Woodwind Class.** 1 A continuation of MED 421.

423—**Organ Construction and Design.** 3 Study of basic elements of organ building and registration.

424—**Instrument Repair.** 3
Topic 1. Piano Tuning.
Topic 2. String and Wind Instrument Repair.

425—**Brass Class.** 1 Study of basic techniques in the pedagogy of all brass instruments.

426—**Brass Class.** 1 A continuation of MED 425.

427—**Percussion Class.** 1 Review of percussion texts, techniques, and pedagogy. Percussion majors may substitute a brass, string, or woodwind minor instrument for MED 427.

428—**Percussion Class.** 1 A continuation of MED 427.

440—**Music Education in the Elementary Schools** 3 Prerequisites: MED 311, 312. An in-depth course which examines current techniques and methods of music programs in upper and lower elementary grades.

450—**Vocal Pedagogy.** 2 Comparison of pedagogical concepts; study of vocal production problems and anatomy of the vocal tract.

451—**Vocal Pedagogy.** 2 A continuation of Med 450.

452—**Piano Pedagogy.** 2 Modern methods of teaching; lectures, observation of private and class lessons; teaching piano to adults.

453—**Piano Pedagogy.** 2 A continuation of MED 452.

454—**Organ Pedagogy.** 2 Required of all senior organ majors.

455—**Organ Pedagogy.** 2 A continuation of MED 54.

456—**String Pedagogy.** 2 Required of all senior string majors.

457—**String Pedagogy.** 2 A continuation of MED 456.

458—**Wind Pedagogy.** 2 Required of all senior wind majors.

459—**Wind Pedagogy.** 2 A continuation of MED 458.

490—**Piano Workshop.** 2 A continuation of MED 390. No degree credit.

491—**Instrumental Workshop.** 2 A continuation of MED 391. No degree credit.

492—**Choral Workshop.** 2 A continuation of MED 392. No degree credit.

493—**Elementary Music Workshop.** 2 A continuation of MED 393. No degree credit.

NURSING (NSG—070)

150—**Nursing as a Bio-Physio-Socio-Cultural Process.** 6 Taken in lieu of NSG 120, 121, 122 if specified criteria are met.

301—**Nursing Process in the Health Continuum.** 3 Patho-physio-social dimensions in the design and implementation of nursing systems.

302—**Introduction to Pathology of the Physiological Systems.** 2 Emphasizes changes in body systems manifesting disturbed physiology.

303—**Systems of Nursing in Health Deviations.** 3 Continuation of NSG 301.

305—**Nursing in the Promotion of Therapeutic Self-Care and High-Level Wellness.** 5 Continuation of NSG 303.

306—**Introduction to Pharmacology.** 2 Focuses on classification and administration of pharmacologic agents.

410—**Maternal-Child Nursing.** 6 Designing and implementing complex systems of nursing assistance for expectant and early child-rearing family.

420—**Nursing in Illness-Wellness Continuum.** 6 Designing and implementing complex systems of nursing assistance for physically ill persons and their families.

430—**Nursing to Promote Mental Health.** 3 Designing and implementing complex systems of nursing assistance for persons and families with behavioral disorders.

440—**Community Health Nursing.** 3 Designing and implementing complex systems of nursing assistance for families in the community

442—**Public Health Science.** 2

450—**Role Transition in the Delivery of Nursing Systems.** 9 (For generic student). 6-9 hrs. arr. for R.N. students. Toward developing the professional nurse practitioner.

451—**Nursing Leadership and Management.** 3 Elective.

452—**Teaching in Nursing.** 3 Elective.

492—**Directed Study in Nursing.** 1-6 hrs. arr. On approval of department chairman.

PHILOSOPHY (PHI—284)

HUM 316—**Impact of Science on History.** May also be offered for credit as a philosophy course.

HUM 380—**History of Philosophy.** May also be offered for credit as a philosophy course.

151—**Introduction to Philosophy.** 3 An introduction to the methods and major themes of philosophy.

253—**Logic.** 3 An introduction to induction, deduction, fallacies, scientific method, and symbolic logic.

310—**Classical Philosophy.** 3 An outline survey of Greek philosophical thought.

311—**Medieval Philosophy.** 3 Survey of the major philosophical themes of the Middle Ages.

312—**Modern Philosophy.** 3 Survey of 17th and 18th century European philosophy.

313—**19th Century Philosophy.** 3 Examination of the major philosophical issues of the 19th century.

352—**Oriental Philosophy.** 3 A survey of the philosophical thought of India and the Far East.

353—**Study of a Major Philosopher.** 3 May be repeated for credit to a total of nine hours. A detailed examination of a selected philosopher.

354—**Theories of Knowledge.** 3 An examination of classical and contemporary theories in epistemology.

356—**Ethics.** 3 An examination of classical and contemporary moral theory.

358—**Philosophy of Law.** 3 An inquiry into theories of law.

366—**Philosophy of Medicine.** 3 An examination of conceptual and ethical problems in the biomedical sciences.

372—**Philosophy of Religion.** 3 An examination of classical problems in philosophical theology.

420—**Metaphysics.** 3 Analysis of classical and contemporary problems in metaphysics.

450—**Existentialism and Phenomenology.** 3 An examination of the central themes in contemporary European existentialism and phenomenology.

451—**Political Philosophy.** 3 The major schools of political philosophy from classical to contemporary times.

456—**Philosophy of Science.** 3 Examination of the foundations of science and scientific explanation.

458—**Symbolic Logic.** 3 The basic theory and operations of the propositional calculus, quantification, and the logic of relations.

460—**Analytic Philosophy.** 3 An examination of the central themes in contemporary British-American analytic philosophy.

492—**Special Problems.** 3 A problem study to be approved by the department chairman.

PHYSICAL EDUCATION (PED—730)

118—**Team Sports.** 1

119—**Beginning Volleyball.** 1

130—**Four Wall Sports.** 1

131—**Fencing.** 1

132—**Beginning Badminton.** 1

133—**Beginning Archery.** 1

134—**Beginning Golf.** 1

135—**Beginning Yoga.** 1

140—**Bicycling.** 1

141—**Beginning Tennis.** 1

142—**Snow Skiing.** 1

143—**Roller Dance Skating.** 1

146—**Developmental Skills.** 1 PED majors or minors only.

147—**Developmental Skills.** 1 PED majors or minors only.

148—**Developmental Skills.** 1 PED majors or minors only.

150—**Tumbling, Beam, and Floor Exercises.** 1

151—**Tumbling, Uneven Parallel Bars and Vaulting.** 1

152—**Men's Beginning Gymnastics Apparatus.** 1

153—**Beginning Trampoline.** 1

160—**Beginning Swimming.** 1

163—**Aquatic Sports.** 1

170—**Sport Judo.** 1

181—**Beginning Social Dance.** 1

184—**Beginning Square Dance.** 1

218—**Officiating Techniques in Women's Sports.** 3

220—**Introduction to Health and Physical Education.** 3 Survey of the areas of health and physical education.

222—**A Survey of the History and Philosophies of Physical Education.** 3

250—**Women's Intermediate Gymnastics Apparatus.** 1

284—**Creative Rhythms for the Elementary School Child.** 3

301—**Kinesiology.** 3 Analysis of movement in body mechanics.

303—**Evaluation in Health and Physical Education.** 3 Administration and interpretation of tests in health, physical fitness, and skills.

314—**Instructional Techniques in Team Sports.** 3

320—**Preschool and Primary School Physical Education.** 3 An introduction to philosophy, objectives, methods and curriculum content.

321—**Elementary and Middle School Physical Education.** 3 Philosophy, objectives, methods, and curriculum.

323—**Efficiency of Human Movement.** 3 A study of the mechanical principles affecting human movement.

326—**Instructional Techniques in Individual and Dual Sports.** 3

334—**Golf.** 1

341—**Tennis.** 1

360—**Theory of Teaching Swimming and Diving.** 2 Organization and administration of the community swimming program.

361—**Swimming for the Disabled.** 1 The development of techniques and activities in teaching the disabled to swim.

370—**Advanced Sport Judo.** 1

380—**Creative Rhythms for the Disabled.** 1 The development of techniques and activities used in teaching rhythms and dance to the disabled.

401—**Corrective, Adaptive, and Developmental Physical Education.** 3 Recognition of, and corrective exercises for, functional abnormalities.

402—**Physiology of Exercise.** 3 Prerequisite: HSE 315. A study of the physiological changes which occur in the body during musular activity.

403—**Fundamental Motor Patterns.** 3 An analysis of the fundamental motor patterns developed during early childhood.

404—**Motor Development.** 3 A study of the motor aspects of the total human growth and development process.

410—**Physical Education and Recreation for the Educationally Disabled and Other Disorders.** 3 The development of concepts and knowledge of physical education programs for LD, MR, and ED.

411—**Physical Education and Recreation for the Crippled and Other Health Impaired.** 3 The development of concepts and knowledge for programs for CP, PH individuals.

412—**Sports Programs for the Disabled.** 3 Competitive sports programming and special techniques for preparing disabled individuals for participation.

415—**Motor Development Project.** 3

420—**Practicum in Physical Education.** 1-6 hrs. arr. May be repeated for a total of six hours. Experiences in the various phases of the physical education program.

424—**Seminar in Elementary Physical Education.** 3 Prerequisites: 320 or 321.

426—**Organization and Administration of Health and Physical Education.** 3

450—**Movement Experiences for Young Children.** 2

451—**Techniques of Teaching Stunts, Tumbling, and Use of Apparatus.** 3

490—**Physical Education and Recreation for the Handicapped.** 3

PHYSICS (PHY—360)

(See also SCIENCE)

101—**General Physics.** 3 Prerequisite: MAT 101. A traditional course in general college physics intended for liberal arts and pre-medical students.

102—**General Physics.** 3 Prerequisite: PHY 101. A continuation of PHY 101.

103—**General Physics.** 3 Prerequisite: PHY 102. A continuation of PHY 102.

105—**Applied Physics.** 4 Prerequisite: MAT 101. Basic concepts of mechanics, heat, and sound applying to industry and research.

106—**Applied Physics.** 4 Prerequisite: PHY 105. Basic concepts of light, electricity, and magnetism applying to industry and research.

201—**General Physics with Calculus.** 3 Corequisite: Calculus. A rigorous course in general physics recommended for physics majors. Required for engineering students.

202—**General Physics with Calculus.** 3 Prerequisite: PHY 201. A continuation of PHY 201.

203—**General Physics with Calculus.** 3 Prerequisite: PHY 202. A continuation of PHY 202.

327—**Electronics.** 3 Prerequisite: PHY 103 or 203 or 106. Fundamentals of vacuum and semiconductor devices with applications to scientific instrumentation.

328—**Electronics.** 3 Prerequisite: PHY 327. A continuation of PHY 327.

331—**Thermodynamics.** 3 Prerequisite: PHY 103 or 203 or 106. Temperature, thermodynamic systems, laws of thermodynamics, entropy.

332—**Thermodynamics.** 3 Prerequisite: PHY 331. A continuation of PHY 331.

341—**Geometrical Optics.** 3 Prerequisite: PHY 103 or 203 or 106. Rays, refractive and reflective surfaces, lens design, stops and optical instruments.

342—**Physical Optics.** 3 Prerequisites: PHY 341 and calculus. Huygen's Principle, interference, diffraction, polarization and electromagnetic theory of light.

350—**Mechanics.** 3 Prerequisites: PHY 103 or 203 and calculus. Mathematical treatment of the dynamics of particles and rigid bodies, wave motion and vibration.

351—**Mechanics.** 3 Prerequisite: PHY 350. A continuation of PHY 350.

361—**Physics of the Atom I.** 3 Prerequisite: PHY 103 or 203. Survey of atomic particles, radiation and x-rays, the hydrogen atom, theory of optical spectra.

362—**Physics of the Atom II.** 3 Prerequisite: PHY 361. Natural radioactivity, fundamental particles, nuclear fission, radioactive production of isotopes.

392—**Physics Special Problems.** 1-3 hrs. arr. Prerequisite: Permission. Theoretical and laboratory problems limited to junior and senior students.

421—**Electricity and Magnetism.** 3 Prerequisites: PHY 103 or 203 and calculus. Vector analysis, electrostatics, magnetostatics and electromagnetic fields.

422—**Electricity and Magnetism.** 3 Prerequisite: PHY 421. A continuation of PHY 421.

423—**Electrical Measurements Laboratory.** 1 Corequisite: PHY 421. Laboratory experiments in electricity and magnetism.

435—**Principles of Microwave Systems.** 3 Prerequisite: Permission. Introduction to microwave theory; basic design of microwave circuits and systems.

422—**The Physics of Waves.** 3 Prerequisite: Permission. A treatment of vibrations and waves in physical systems.

444—**Musical Acoustics.** 3 Prerequisite: Permission. Primarily for music majors. The acoustics of musical instruments. Architectural acoustics.

455—**Fluid Dynamics.** 3 Prerequisites: PHY 350 and MAT 405. A mathematical development of the physical principles governing fluid flow.

460—**Advanced Physics Laboratory.** 2 Prerequisite: Permission. Advanced experiments in modern physics.

461—**Modern Physics.** 3 Prerequisite: PHY 362 or equivalent. Relativity, quantum theory, spectroscopy, and atomic and nuclear structure.

462—**Modern Physics.** 3 Prerequisite: PHY 461. A continuation of PHY 461.

463—**Modern Physics.** 3 Prerequisite: PHY 462. A continuation of PHY 462.

464—**Fundamentals of Solid State Physics.** 3 Prerequisite: Permission. Study of solids as electromagnetic wave media.

465—**Nuclear Physics.** 3 Prerequisite: Permission. Nuclear binding forces, chain reactions, nuclear reactors and radiation shielding.

466—**High Vacuum Technique.** 3 Prerequisite: Permission. Design of vacuum instruments. Study of mechanical, diffusion, ion, sorption, and getter pumps.

467—**Analysis by Mass Spectrometry.** 3 Prerequisite: Permission. Interpretation of mass spectra. Sample introduction and mass analysis.

485—**History and Literature of Physics.** 3 Prerequisite: PHY 103 or equivalent. A survey of physics from the ancients to Einstein.

499—**Undergraduate Research.** 1-6 hrs. arr. Prerequisite: Permission. An introduction to the methods of physical research.

POLITICAL SCIENCE (PS—280)

101—**American Government.** 3

220—**Introduction to Political Science.** 3 A basic survey of the general field of study of political science to prepare students for subsequent study in a specific subject and field.

301—**State and Local Politics.** 3

302—**Current Problems in Government.** 3 A study of current problems before the national, state, and local governments at the time the course is taught.

303—**American Political Movements.** 3 A study of Afro-American, Old and New Left, Radical Right, Counter-Culture, and Feminist movements.

320—**Introduction to Political Theory.** 3 A survey of principal political ideologies in the world today.

330—**United States Foreign Policy.** 3

331—**Introduction to International Politics.** 3

351—**Introduction to Comparative Government.** 3 A classification of selected political systems analyzed in the context of different economic and political cultures.

370—**Introduction to Public Administration.** 3

375—**Government and Economics.** 3

380—**Introduction to Law in American Society.** 3 A basic course to familiarize students with the court structure, the legal profession, and the role of law in American society.

381—**Introduction to Paralegalism.** 3 An introduction to the field of paralegalism including the history and scope of the profession.

401—American Political Process. 3 An analysis of the American political system on an advanced level.

402—Urban Politics. 3

404—The Legislative Process. 3

406—American Political Parties and Pressure Groups. 3

407—Mississippi Government. 3

408—The American Presidency. 3 An analysis of the selection, role, power, and performance of the presidency.

409—Southern Politics. 3 An examination of the politics and political culture of the southern states.

420—Political Theory to Locke.

421—Political Theory Locke to Present. 3

425—American Political Theory. 3

431—International Organization. 3

432—Foreign Policies of the Major Powers. 3 An intensive analysis of the pattern of politics resulting from the formation of the two major power blocs and lesser blocs.

434—Inter-American Politics. 3 A study of hemisphere relations, with emphasis on the United States and Latin America, bilaterally and multilaterally.

435—Comparative Foreign Policy. 3

450—Comparative Studies in European Politics. 3

451—Soviet Government and Politics. 3

452—The Political Systems of Great Britain and the Commonwealth. 3

453—Government and Politics in the Middle East. 3

455—Government and Politics in Tropical Africa. 3

456—Latin American Governments and Politics. 3

458—Latin American Political and Economic Development. 3

471—Public Personnel Administration. 3

472—Organization and Management. 3

473—Policy Formulation. 3

474—Governmental Budgetary Process. 3 Facets of budgetary administration, emphasizing federal and municipal budgets, theory and process.

480—United States Constitutional Law. 3

481—The American Judicial Process. 3

482—Comparative Judicial Politics. 3 Prerequisite: PS 480 or PS 481 or consent of instructor.

483—Legal Research. 3 A survey of primary and secondary legal sources including reports, digests, statutes, citators, and other basic materials used in legal research.

484—Administrative Law. 3

485—International Law. 3

492—Special Problems. 1-3 hrs. arr.

POLYMER SCIENCE (PSC—370)

191—The Polymer Industry I, II, III. 1 An introduction to the history, recent developments, applications, and processing of polymers.

291—**The Polymer Industry IV, V, VI.** 1 An introduction to the properties of major commercial polymers, raw material sources, and the organization of the polymer industry.

301—**Organic Polymer Chemistry I.** 3 Systematic study of polymers with emphasis centered on those synthesized by step polymerization.

302—**Organic Polymer Chemistry II.** 3 A study of polymer formation techniques, kinetics, and properties with emphasis on addition polymerization.

303—**Polymer Preparation and Characterization.** 4 A study of copolymerization, stereoregular polymerization, and other methods of synthesising polymers with unique chemical and physical properties.

310—**Technical and Scientific Communication.** 1 Training in the preparation of written and oral reports for specific scientific and technical problems.

330—**Structure of Materials.** 3 An introduction to the physical character of materials emphasizing the relationship of structure to fundamental composition.

340—**Criminalistics I.** 3 An introductory study of the techniques employed in a forensic laboratory.

341—**Criminalistics II.** 3 A continuation of PSC 340.

350—**Polymeric Materials I.** 3 Introduction to materials science. Comparison of polymer structure and properties to non-polymeric materials.

351—**Polymeric Materials II.** 3 Introduction to polymer chemistry, physics, and technology.

352—**Polymeric Materials III.** 3 Introduction to the processing of polymers for making consumer products. ASTM and quality control methods. Formulation.

360—**Polymer Rheology.** 3 Theory and practice.

361—**Polymer Processing I.** 3 Plastics extrusion technology and theory.

362—**Polymer Processing II.** 3 Technical planning for plastics production. Material selection for plastic products. Trends in the plastics industry.

401—**Physical Chemistry of Polymers I.** 3 Polymer structure, chain conformation, solution properties, thermodynamics, fractionation, and molecular weight measurement.

402—**Physical Chemistry of Polymers II.** 3 A continuation of PSC 401. Instrumental analysis of polymers, morphology, rheology, structure-property relationships.

403—**Physical Chemistry of Polymers III.** 3 A continuation of PSC 402. Kinetics of addition, condensation, copolymerization and polymer processing.

412—**Introduction to Macromolecules.** 3 An introduction to the chemistry and physics of natural and synthetic high polymers.

430—**Plastics, Ceramics, Composites.** 3 A comparative study of the physical property behavior of non-metallic materials in pure form and in combination.

440—**Drug Identification.** 3 Lectures, demonstrations and discussions covering all aspects of drug identification, emphasizing those relating to law enforcement.

460—**Physical Properties of Polymers I.** 3 Mechanical and electrical properties of polymers as viscoelastic materials emphasizing the effects of time and temperature at constant stress levels.

461—**Physical Properties of Polymers II.** 3 Mechanical and electrical properties of polymers as viscoelastic materials emphasizing the effects of time and temperature at variable stress levels.

463—**Senior Research in Plastics.** 3 Individual research projects in plastics, dealing with properties, processing products, and industry organization. Final report required.

470—**Surface Coatings I.** 3 Study of the physical and chemical properties of the pigments, binders, solvents and additives employed in surface coatings.

471—**Surface Coatings II.** 3 Dispersion techniques, surface preparation, paint testing, application techniques, and surface coatings formulations analysis.

490—**Special Projects in Polymer Science.** 3 Individual research. Prospectus is prepared and research plan is executed with final status report required.

491—**Special Projects in Polymer Science.** 3 Individual research. Prospectus is prepared and research plan is executed with final status report required.

493—**Plastic Seminar.** 2 Informal discussion based on literature study conducted by the individual on topics in, or related to, plastics technology.

PSYCHOLOGY (PSY—175)

110—**General Psychology.** 3 Open to freshmen. An introduction to the scientific study of human behavior and experience.

231—**Mental Hygiene.** 3 Prerequisite: PSY 110. A course designed to promote understanding of the problems people face in our society, the diverse ways in which they respond to these problems.

251—**Applied Psychology.** 3 Prerequisite: PSY 110. Application of psychological methods and principles to a number of occupational fields other than education.

310—**Advanced General Psychology.** 3 An advanced course in general psychology covering in greater depth selected topics. Required of all psychology majors.

320—**Experimental Psychology.** 3 Prerequisite: PSY 310. Introduction to experimental methodology and laboratory apparatus with application to various areas of psychology.

360—**Introduction to Statistics for the Behavioral Sciences.** 3-4-0-Q. Probability, central tendency, variability, and correlation. Hypothesis testing with Z, t, chi-square, and F.

375—**Developmental Psychology.** 3 A study of the course of growth and development throughout the life span, with emphasis on principles of development. Students who take EPY 370 or 372 should not take this course.

418—**History and Systems of Psychology.** 3 Prerequisite: Permission of the instructor. Review of the history of psychology and intensive study of current systems of psychology. Primarily for senior psychology majors.

420—**Sensation and Perception.** 3 Prerequisite: PSY 320. A survey of sensory and perceptual processes with emphasis on the visual system.

422—**Psychology of Learning.** 3 Prerequisite: PSY 320. A study of the basic problems, theories, concepts, and research in the areas of human and animal learning.

424—**Animal Psychology.** 3 Prerequisite: PSY 320. An introduction to the study of animal behavior with emphasis on the comparison of psychological processes along the phylogenetic scale.

426—**Physiological Psychology.** 3 Prerequisite: PSY 110. Relationships between physiological functions, especially those of the nervous system, and emotional behavior, motivation, and learning.

432—**Introduction to Behavior Modification.** 3 Prerequisites: Good background and permission of instructor. Principles and techniques of behavior modification applied to normal and deviant behavior across environmental settings.

436—**Abnormal Psychology.** 3 Prerequisites: Good background in psychology and permission of the instructor. Study of the major psychoneuroses, and mental deficiency; field trips, and demonstration clinics.

450—**Social Psychology.** 3 Prerequisite: PSY 110. Study of social influences on personality development and perceptual-cognitive processes and social motivation.

451—**Industrial Psychology.** 3 Prerequisite: PSY 110. (PSY 360 recommended.) Applications of psychological principles and methods to problems of industry.

455—Psychology of Personality. 3 Prerequisites: PSY 110 and permission of the instructor. Different theoretical approaches to the development of the mature personality.

456—Psychology of Aging and Death. 3 Study of problems and attitudes concerning aging and death.

462—Psychological Measurement. 3 Prerequisites: PSY 110 and 360. Theory, problems and techniques of psychological measurement. Group tests of ability, aptitude, interests, and personality are emphasized.

492—Special Problems in Psychology. 1-6 hrs. arr. Prerequisites: PSY 320 and consent of instructor.

493—Field Experience in Psychology. 1-3 hrs. arr. Prerequisites: Twenty-four hours of psychology and permission of the instructor. Opportunity for the student to observe and participate under supervision in the activities of one or several agencies providing psychological services.

495—Special Problems. 6 hrs. arr. State Internship.

498—Senior Thesis. 3 hrs arr. Prerequisite: Permission of department chairman and instructor.

PUBLIC ADDRESS (PA—216)

100—Human Communication. 3

111—Oral Communication. 3

112—Argumentation and Debate. 3

210—Voice and Diction. 3

310—Forensics. 1 May be repeated for three hours credit.

305—Interpersonal Communication. 3

311—Persuasion. 3

312—Interviewing Principles and Applications. 3

315—Speech Composition. 3 Prerequisite: Consent of instructor.

319—Speaking for Formal Occasions. 3

320—Business and Professional Speaking. 3

330—Discussion and Group Leadership. 3

400—Symbolic Function in Persuasion. 3 Prerequisite: Consent of instructor.

403—Political Campaign Rhetoric. 3 of election years.

410—Business and Industrial Communication. 3

417—Practicum in Major Field. 3 May be repeated twice.

492—Special Problems. 1-3 hrs. arr.

RADIO-TELEVISION-FILM (RTF—220)

200—Survey of Mass Communication. 3

270—Film History and Criticism (1895-1945). 3

271—Introduction to Film Production. 3

302—Broadcast Journalism. 3 Prerequisite: JOU 102 and completion of English requirements in core curriculum.

303—Internship in Radio, Television, and Film. 3-9 hrs. arr. Prerequisite: Consent of instructor.

310—Radio Laboratory. 1

311—**Radio Production.** 3

320—**Announcing.** 3 Prerequisite: RTF 311.

330—**Broadcast Advertising.** 3

340—**Introduction to TV Production.** 3

360—**Broadcast Rules and Regulations.** 3

370—**Contemporary Cinema (History and Criticism 1945 to Present).** 3

371—**Basic Cinematography.** 3 Prerequisite: RTF 271.

375—**Film Editing.** 3 Prerequisite: RTF 371 or consent of instructor.

377—**Film Production Workshop.** 3

407—**Theories of Mass Communications.** 3

411—**Advanced Audio Production.** 3

416—**Radio Station Management.** 3

417—**Radio Production Workshop.** 2 Prerequisite: RTF 311.

418—**Practicum in RTF Field.** 3 Prerequisite: Consent of instructor.

425—**Audience Analysis.** 3

431—**Advertising Management and Sales.** 3 Prerequisite: RTF 330.

440—**Advanced Television Production.** 3 Prerequisite: RTF 311.

442—**Writing for Radio-TV.** 3

447—**Television Production Workshop.** 3 Prerequisite: RTF 440.

448—**Seminar in Radio-TV.** 3

460—**Issues in Broadcasting.** 3

471—**Advanced Cinematography.** 3 Prerequisite: RTF 371 and consent of instructor.

472—**Writing for Television and Film.** 3

474—**Techniques in Film Acting and Directing.** 3

477—**Advanced Film Production Workshop.** 3 Prerequisite: Consent of instructor.

478—**Seminar in Film.** 3

492—**Special Problems in Radio, Television, and Film.** 1-3 hrs. arr. Prerequisite: Consent of instructor.

REAL ESTATE AND INSURANCE (REI—617)

310—**Land Resource Principles.** 3 An introduction to the economics of land, resources.

325—**General Insurance.** 3 Nature of risk, its measurement, and the insurance mechanism as a device for handling risk with reference to the principal types of coverage.

326—**Introduction to Actuarial Science.** 3 Compound interest theory, its application, and basic actuarial techniques of premium and reserve determination for life insurance and annuities.

330—**Real Estate Principles.** 3 An introduction to the field of real estate covering principles of law, valuation, management, financing, and brokerage of real estate.

334—**Residential and Rural Valuation.** 3 Prerequisite: REI 310 or 330. An introduction to the theory and practice of residential real estate valuation.

340—**Real Estate Law.** 3 Prerequisite: GBA 295. The law of real property and the law of real estate brokerage.

345—**Property Management.** 3 Prerequisite: REI 330. The economics of location, finance, marketing, and law as it relates to property management.

425—**Life Insurance.** 3 Prerequisite: REI 325. Types of policies and their uses; contract provisions; actuarial and legal aspects; settlement options.

432—**Real Estate Finance.** 3 Prerequisite: REI 330. A study of the sources of real estate funds and analytical techniques for investment decision making.

434—**Income Property Valuation.** 3 Prerequisite: REI 330. Emphasis on the income approaches to real estate valuation.

445—**Property and Liability Insurance.** 3 Prerequisite: REI 325. Fire, consequential loss, theft, automobile, general liability, and workmen's compensation insurance.

450—**Health Insurance.** 3 Prerequisite: REI 325. Disability risk with its economic consequences and the various health insurance coverages available to meet it.

460—**Real Estate Development.** 3 Prerequisite: REI 310 or 330. An analysis of real estate development in the private sector.

RECREATION (REC—735)

Service Activity Courses—The following are activity courses offered on a grade or pass-fail basis and RED 180 through 187 will fulfill the PED University requirements.

180—**Skeet and Trap Shooting.** 1

181—**Marksmanship.** 1

182—**Marksmanship Instructors Course.** Prerequisite: REC 181. 1

183—**Pioneering.** 1

184—**Canoeing.** 1

185—**Family Camping.** 1

186—**Freshwater Fishing.** 1

187—**Saltwater Fishing.** 1

188—**Hobbycraft.** 1

189—**Naturecraft.** 1

Career Courses—The following are career courses offered to meet requirements for a major in recreation leading to a Bachelor of Science degree.

200—**Man's Search for Leisure.** 3 A study of the evolution of leisure and leisure service programs.

203—**The Literature of Recreation.** 3 A course to introduce recreation majors to the various areas of specialization.

210—**Practicum in Recreation I.** 1 Initial field experience in area of specialization.

211—**Practicum in Recreation II.** 1 Observational experience in areas of specialization.

212—**Practicum in Recreation III.** 1 Practical field experience as aide in area of specialization.

300—**Recreational Scuba.** 2 Provide competent diving instruction to meet increased demand for aquatic recreation.

322—**Theory of Recreation Programming.** 3 Procedures and methods involved in planning and organizing a comprehensive recreation program.

323—**Theory of Recreation Leadership.** 3 Methods, techniques, and materials for directing individuals in group activities.

341—**Camper Counseling, Administration, and Operation.** 3 Objectives, activities, methods, administrative and operational policies of organized camps.

342—**Outdoor Recreation.** 3 The recreational use of outdoors, with emphasis on education, emerging trends and problems.

350—**Introduction to Therapeutic Recreation.** 3 Introduction to theory, practice, philosophy and role of TR in community and institutions.

402—**Seminar in Recreation.** 1 A seminar course designed to examine pertinent issues and current practices in recreation.

403—**Field Work in Recreation.** 9 Internship under the direct supervision of a field professional.

410—**Physical Education and Recreation for the Educationally Disabled and Other Behavioral Disorders.** 3 The development of concepts and knowledge of physical education and recreation programs for L.D., M.R. and E.D.

411—**Physical Education and Recreation for the Crippled and Other Health Impaired.** 3 The development of concepts knowledge for programs for C.P. and P.H. individuals.

412—**Sports Programs for the Disabled.** 3 Competitive sports programming and special techniques for preparing disabled individuals for participation.

413—**Organization and Administration of Public Recreation.** 3 Designed to study the organization and administration of public recreation agencies and their policies.

415—**Business Procedures for Parks and Recreation.** 3 A study of specific business procedures and administrative policies.

417—**Park Management and Operation.** 3 The operational techniques and managerial principles of efficient administration.

422—**Youth Service Programs.** 3 The responsibilities, relationships, organization, administration, and activities of youth agencies.

424—**Community Playgrounds Programs and Operation.** 3 The administration, programs, and operation of playgrounds and community centers.

426—**Community-School Recreation.** 3 A comprehensive overview of community recreation with emphasis on inter-relationships of public schools.

432—**Environmental Aspects of Recreation.** 3 The interrelationships between recreation and available resources.

434—**Park Development and Design.** 3 The application of design and planning concepts to outdoor recreation areas and facilities.

436—**Park and Recreation Planning.** 3 Fundamental principles and methodologies dealing with proper identification, allocation, and use of resources.

441—**Resources Management and Policy.** 3 The techniques, procedures, and policies affecting management of natural resources.

443—**Outdoor Education.** 3 A study of outdoor education, specifically its philosophy, programs, methods, and resources.

447—**Interpretation of Cultural and Natural Resources.** 3 S. The interpretive process as applied to natural and cultural resources.

451—**Therapeutic Recreation Programming.** 3 The organization, programming, and conducting of programs and activities in institutions.

452—**Gerontology and Recreation for Later Years.** 3 The aging process and special needs, problems, opportunities, and activities of older people.

490—**Physical Education for the Handicapped.** 3 Theoretical aspects and practical applications of physical education and recreation for the handicapped.

491—**Recreation Education for Teachers.** 3 Programs and benefits of recreation and leisure to motivate leaders who serve in educating individuals.

492—**Outdoor Recreation Seminar.** 3 A practical and philosophical introduction to the use of outdoors.

494—**Field Problems.** 1-6 hrs. arr. Prerequisite: Permission of department chairman. Practical experiences dealing with problem situations in the field.

RELIGION (REL—288)

ANT 412—**Mythology and Folklore.** May also be offered for credit as a religion course.

ANT 316—**Biblical Archeology.** May also be offered for credit as a religion course.

131—**Introduction to Religion.** 3 The study of religion as an aspect of human culture with attention to both Christian and non-Christian religions.

330—**Religion in Society.** 3 A study of religion in society and its interaction with and relation to other social values.

333—**The Jewish Tradition.** 3 A study of the major themes and history of the Jewish religion.

335—**The Christian Tradition.** 3 A study of the major themes and history of the Christian religion.

435—**Religions of the Near East.** 3 A survey of Judaism, Islam, and Zoroastrianism.

436—**Mysticism.** 3 A study of the major themes and issues of religious mysticism—East and West.

490—**Contemporary Religious Problems.** 3 An examination of specific problems within the broad spectrum of contemporary religious concern.

492—**Special Problems.** 1-3 hrs. arr.

RESEARCH AND FOUNDATIONS (REF—125)
(Educational Foundations)

300—**Public Education in the United States.** 3 An orientation to teaching as a profession. To be taken the last semester of the sophomore year.

336—**Principles of Guidance.** 3 Deals with the fundamental philosophy, methods, and organization of guidance services in the public schools.

416—**Audiovisual Education.** 3 A general course for teachers with emphasis upon use, production and selection of sound and visual classroom media.

421—**Seminar for Teaching Interns.** 9 Open to intern-teachers only.

430—**Teaching in the Space Age.** 13 A study of the influence of aerospace developments on society.

436—**Designing Educational Systems for Individualized Instruction.** 3 Emphasizes systems approach to individualizing instruction. Designed for teachers and library-media personnel.

469—**Tests and Measurements.** 3 Prerequisites: EPY 370, 372, or 374, and senior standing. Considers evaluative practices in education.

490—**Classroom Use of Instructional Television.** 3 Planning, organizing, presentation, and use of instructional television. Emphasis on Mississippi's state program.

494—**Field Problems.** 3 hours arranged, Prerequisite: Approval of department chairman.

SCIENCE (SCI—394)

422—**Geophysical Well-Logging.** 3 Application of well-logging techniques to petroleum exploration, groundwater investigations, and soil studies.

426—**Advanced Geophysics.** 3 Prerequisites: PHY 103 or 203. Corequisite: MAT 277. Physical principles governing gravity.

SCIENCE EDUCATION (SCE—380)

432—**Science for Elementary Teachers.** 3 Prerequisites: FS 131, 132, 133, 134, or 12 semester hours of science.

441—**Methods of Teaching the Metric System.** 3 Lectures and exercises in measurements using the International System of Units.

453—**Earth and Environmental Science for Intermediate School Teachers.** 3 Prerequisite: Earth and environmental science background or permission of the instructor.

454—**Biological Sciences for Intermediate School Teachers.** 3 An examination of subject matter, techniques, and methods for teaching the life sciences.

455—**Physical Science for Intermediate School Teachers.** 3 An examination of the subject matter, techniques, and methods for teaching.

456—**Techniques in Marine Science Education.** 3 Marine resources of Mississippi.

457—**Marine Science for Teachers.** 3 Prerequisites: SCE 456 or permission. Advanced topics in marine science.

470—**Biology for Secondary Teachers.** 3 Prerequisite: Permission of instructor. An examination of the techniques and methods for teaching biology.

471—**Chemistry for Secondary Teachers.** 3 Prerequisite: Permission of instructor. Designed to familiarize teachers with materials, methods, and techniques.

472—**Physics for Secondary Teachers.** 3 Prerequisite: Permission of instructor. A course to familiarize teachers with content, methods, materials, and techniques.

492—**Special Problems.** 1-3 hrs. arr. A problem study to be approved by the department chairman.

SECONDARY EDUCATION (CIS—120)

310—**Junior-Senior High School Reading Methods.** 3 A course designed to familiarize secondary teachers with reading skills, methods, and materials. Emphasis is placed on content skills in subject matter areas.

313—**Principles of Teaching in High School.** 3 Offered concurrently with student teaching, this general methods course emphasizes the goals of secondary education, motivation and direction of learning, and school organization.

451—**Methods in Business Education.** 3 A study of business education trends and aims, teaching procedures, tests and measurements, special helps, and teaching materials.

452—**Methods in Art.** 3 Stresses the aims, objectives, and methods of art education in the elementary and secondary schools.

453—**Methods in Industrial Arts.** 3 A course pertaining to the methods and materials in the teaching of industrial arts.

454—**Methods in English—Secondary.** 3 A course concerning methods of teaching English in the junior and senior high schools.

455—**Methods in Foreign Languages.** 3 A course in methods of teaching French, Spanish, and German in the secondary schools.

456—**Methods in Teaching Science—Secondary.** 3 A course designed to familiarize teachers with current trends, methods, and techniques of teaching science to secondary school students.

457—**Methods in Mathematics—Secondary.** 3 A course designed to give the student a knowledge of the objectives, curriculum problems, and organization and methods of teaching secondary school mathematics.

458—**Methods in Social Studies—Secondary.** 3 A study of the principal methods of teaching, application of psychological principles to teaching, and methods of selecting content and materials.

459—**Methods in Speech.** 3 A general orientation to the teaching of speech, followed by individualized unit work in the special fields of speech.

462—**Methods and Principles in Health, Physical Education, and Recreation.** 3 Emphasizes materials and techniques of teaching health, physical education, and recreation in grades 1-12 of public schools.

465—**Methods in Journalism.** 3 A course designed to prepare the student for the teaching of journalism on the secondary school level.

470—**Curriculum of the Secondary Schools.** 2 A course which examines the present day structure and nature of the secondary school curriculum.

472—**Student Activities in Secondary Schools.** 1 Consideration is given to the general nature, activities, and organization of the student extra-curricular program.

481-494—**Student Teaching in High School.** 9 The individual courses in pre-service student teaching are as follows: 481—Business Education; 482—Art Education; 483—Industrial Arts; 484—English; 485—Foreign Languages; 486—Sciences; 487—Mathematics; 488—Social Studies; 489—Speech; 491—Health, Physical Education, Recreation; 492—Library Science; 493—Music Education; and 494—Journalism.

495—**Seminar in Secondary Student Teaching.** 6 Prerequisite: Permission of instructor. Designed to meet the student teaching requirement for noncertified experienced teachers, this course deals with classroom management, programs of instruction, and student role in the educational environment.

496—**Internship in Secondary Education.** 9 Prerequisite: Permission of the Director of Interns. Reserved for those students who are enrolled in the internship program.

SOCIOLOGY (SOC—292)

Note: All 400 level courses are open to students of junior standing or higher.

101—**Introduction to Sociology.** 3 Prerequisite to all other sociology courses. Designed to give a general overview of the perspective, concepts, and methodology of sociology.

230—**Introduction to Social Work.** 3 An introduction to the purpose, methods, and philosophy of contemporary social work. Open to persons in other disciplines.

240—**Social Problems.** 3 A study of representative contemporary problems, with emphasis on causes which arise from cultural patterns and social change.

310—**Urban Sociology.** 3 An analysis of the nature of urban society and the factors shaping it, including the influence of urban ecology and ecological processes.

311—**Rural Sociology.** 3 A study of the structure, institutions, and social processes of rural society; and of the effect of urbanization on rural society.

314—**The Family.** 3 An analysis of the structure and functions of the family as an institution and the factors making for family change.

330—**Methods of Social Case Work.** 3 Prerequisite: SOC 230. A study of the principles of social case work.

331—**Methods of Social Work II.** 3 A study of techniques and methods of carrying out practice in group and community settings.

341—**Criminology.** 3 A study of causes, treatment, and prevention of crime. Deals with criminology, penology, and criminal legislation.

350—**Sociology of Minorities.** 3 An analysis of socio-cultural factors in minority-majority relationships and their social and psychic implications.

421—**Special Sociological Topics.** 3 Variable content. May be repeated three times in separate topical offerings.

424—**Gerontology.** 3 Sociology of aging.

426—**Sociology of Education.** 3 A comprehensive study of the educational institution, its relationship to the community and society.

433—**Field Work Practicum.** 3-9 hrs. arr. Designed to provide the student with practical field experiences in a career-oriented area.

440—**Social Control and Collective Behavior.** 3 A study of principles and techniques by which conformity to the laws and other norms of social units is produced and maintained.

444—**Juvenile Delinquency.** 3 A study of causes and the nature of juvenile delinquency, the development of the juvenile court, probation, and other rehabilitative programs.

450—**Social Foundations of Personality.** 3 A treatment of the role of the social group and the cultural heritage in the development and functioning of the human personality.

460—**Methods of Social Research.** 3 A survey of elementary research techniques used in empirical social investigations.

461—**Population.** 3 Prerequisite: SOC 460. An introduction to demography, analyzing significant changes in population composition.

471—**Social Institutions.** 3 A detailed study of major American social institutions, their functions, interrelationships, and significant trends.

480—**Advanced General Sociology.** 3 An advanced course in general sociology giving expanded treatment to the basic sociological concepts and subject-matter areas.

481—**History of Social Thought.** 3 An examination of early social thought, tracing the development of western thought and ideas from Hammurabi to Comte.

482—**Sociological Theory.** 3 A survey of the growth and development of sociological theory from Comte to the present.

492—**Special Problems.** 1-3 hrs. arr. To be used to pursue specialized interests for which courses are not offered.

SPECIAL EDUCATION (SPE—190)

200—**Practicum in Special Education I.** 1 Initial experience with exceptional children. This introductory course should be taken as soon as possible for majors.

201—**Practicum in Special Education II.** 1 Observational experiences with exceptional children.

202—**Practicum in Special Education III.** 1 Tutorial and aide experience with exceptional children.

310—**Student Teaching: Observation.** 1 First clinical and student teaching experience for speech correction majors.

311—**Student Teaching: Screening.** 1 Clinical work in assessing children in speech and audiology.

312—**Student Teaching: Clinical Practice.** 1-7 hrs. arr.

400—**The Psychology and Education of the Exceptional Child.** 3-4-0-Q. Considers the psychological and educational needs of children of atypical groups.

401—**Methods and Materials for the Severely Handicapped.** 3 General methods for profoundly retarded, deaf-blind, cerebral palsy, and severely multiple handicapped.

402—**Methods and Materials in Teaching Exceptional Children.** 3 A study of methods and materials useful in meeting the needs of the exceptional child.

403—**Educational Evaluation of Exceptional Children.** 3 Prerequisite: CIF 469. Basic principles underlying measurement and evaluation in education with emphasis on interpretation as it relates to exceptional children.

404—**Problems in Special Education.** 3 Classroom management, organization, scheduling, and integrative processes for the handicapped.

410—**Methods in Speech Correction.** 3 Prerequisites: 201, 202, 211, 221, 411, and SHS majors. A course designed to acquaint the speech and hearing major with clinical conditions as found in public schools.

411—**Speech and Hearing Problems for the Classroom Teacher.** 3 A course designed to acquaint the teacher with speech and hearing problems commonly found in the classroom.

420—**Physiology and Hygiene of the Eye.** 3 Identification function, and care of the eye as it relates to the visually handicapped.

421—**Methods and Materials in Teaching Visually Handicapped.** 3 A study of practices commonly used in education programs, including Braille, space orientation, special materials, and organization.

422—**Braille.** 3

423—**Teaching of Braille.** 3 Prerequisite: SPE 422 or equivalent.

424—**Special Adjustments of the Visually Handicapped.** 3 Introduction to mobility training and spatial orientation.

425—**Psychology and Education of the Visually Handicapped.** 3 A study of social-emotional and cognitive learning factors of the visually handicapped.

428—**Psychology and Education of the Physically Handicapped.** 3 A study of major handicapping conditions, adaptation, social emotional, and intellectual consideration.

429—**Curriculum for the Physically Handicapped.** 3 A study of education programs for the physically handicapped.

430—**Learning Disabilities.** 3 Prerequisite: SPE 400 or permission. A study of social, emotional, physical, and learning characteristics of specific learning disabilities.

431—**Curricula for Specific Learning Disabilities.** 3 Prerequisites: SPE 402, 430. A study of specific learning experiences in educating the learning disabled.

432—**Methods and Materials for Teaching Learning Disabilities.** 3 Prerequisite: SPE 430 or permission. A study of methods and materials most useful in teaching the perceptually handicapped.

440—**Education of the Mentally Retarded.** 3 Prerequisite: SPE 400 or permission. A study of social, emotional, physical, and intellectual characteristics of the mentally retarded.

441—**Curricula for the Mentally Retarded.** 3 Prerequisites: SPE 402, 440. A study of specific learning experiences in educating the mentally retarded.

442—**Methods and Materials for Teaching the Mentally Retarded.** 3 Prerequisite: SPE 440 or permission. A study of methods and materials most useful in teaching the mentally retarded.

480—**Student Teaching of the Mentally Retarded.** 9

482—**Student Teaching the Visually Handicapped.** 9

483—**Student Teaching the Physically Handicapped.** 9

485—**Student Teaching in Learning Disabilities.** 9

486—**Student Teaching in Hearing Impaired.** 9

489—**Seminar in Special Education of Student Teaching.** 1-6 hrs. arr. In-service student teaching designed for experienced teachers who have demonstrated their interest and ability as classroom teachers.

490—**Workshop in Special Education.** 1-3 hrs. arr.

492—**Special Problems in Special Education.** 1-3 hrs. arr. A consideration of special interest areas in the field of exceptional children.

SPEECH AND HEARING SCIENCES (SHS—296)

101—**Orientation to Speech and Hearing Sciences.** 1

201—**Phonetics.** 3

202—Fundamentals of Speech and Hearing Science. 3

211—Introduction to Communication Disorders. 3

221—Introduction to Audiology. 3

401—Language Development. 3

402—Anatomy and Physiology of the Hearing Mechanism. 3

403—Anatomy and Physiology of the Speech Mechanism. 3

411—Articulation Disorders. 3 Prerequisites: SHS 201, 211.

412—Diagnostic Procedures in Speech Pathology I. 3 Prerequisites: SHS 211, 411.

413—Voice Disorders. 3 Prerequisites: SHS 211. 403.

414—Stuttering and Related Problems. 3 Prerequisites: SHS 211.

415—Speech and Language Disorders of the Cerebral Palsied. 3 Prerequisites: SHS 211. 403.

416—Adult Aphasia and Related Problems. 3 Prerequisites: SHS 211, 403.

417—Speech and Language Disorders Related to Cleft Palate. 3 Prerequisites: SHS 211, 403.

418—Advanced Clinical Methods. 3 Prerequisite: Permission of instructor.

419—Organic Disorders of Speech. 3 Prerequisites: SHS 202, 408, 411.

420—Middle Ear Measurement. 3 Prerequisites: SHS 221, 402.

421—Aural Rehabilitation. 3 Prerequisite: SHS 221.

423—Methods of Communicating with the Hearing Impaired I. 2 Prerequisite: SHS 437.

425—Psycho-Social Factors Associated with Hearing Impairment. 3 Prerequisite: Consent of instructor.

426—Secondary School Methods and Curriculum for Hearing Impaired Children. 3 Prerequisites: SHS 433, SHS 438.

427—Disorders of Hearing. 3 Prerequisite: SHS 221, 402.

428—Clinical Audiology I. 3 Prerequisite: SHS 221.

429—Pediatric Audiology. 3 Prerequisite: SHS 221.

430—Instrumentation. 3 Prerequisite: SHS 221.

431—Language Disorders I: Assessment of Children with Language Disorders. 3 Prerequisite: SHS 401.

432—Language Disorders II: Habilitation of the Aphasic Child. 3 Prerequisites: SHS 401, 431.

433—Developing Language Skills with the Hearing Impaired. 3

435—Developing Oral--Aural Communication in Hearing Impaired Children. 3

436—Developing Reading in the Hearing Impaired. 3 Prerequisite: SHS 433 or consent of instructor.

437—Introduction to Education of the Hearing Impaired. 3

438—Problems in Academic Subjects for the Hard-of-Hearing and Deaf. 3

439—Education of Preschool Hearing Impaired Children. 3 Prerequisite: SHS 221. Practicum required.

492—Special Problems. 1-3 hrs. arr.

THEATRE ARTS (THE—685)

103—**Introduction to Theatre.** 3

105—**Beginning Tap.** 2 Developing an understanding and practice of movement skills basic to tap dance of America. May be repeated twice for a total of six hours.

106—**Beginning Jazz.** 2 The study and application of the basic skills of jazz dance. May be repeated twice for a total of six hours.

111—**Fundamentals of Oral Interpretation.** 3 General educational approach to the art as a means of communicating literary content.

120—**Fundamentals of Acting.** 3

125—**Movement for the Actor.** 2

140—**Vocal Techniques for the Actor-Singer.** 2 May be taken three times.

150—**Beginning Modern Dance.** 2 Discussion and practice of movement patterns, improvisation, and studies in modern dance for the non-major. May be repeated twice for a total of six hours.

152—**Modern Dance Techniques and Composition.** 3 Discussion and practice of movement skills and studies in modern dance for the dance major. May be repeated for a total of nine hours.

200—**Stagecraft.** 3 Both study and practical application of the techniques of building and painting stage scenery and properties.

201—**Introduction to Costume.** 3 Costume theory and practical workshop procedures.

204—**Stage Makeup.** 2

240—**Mime and Pantomime.** 2

250—**Beginning Ballet.** 2 Discussion and practice of movements in ballet for the non-major. May be repeated twice for a total of six hours.

252—**Ballet Technique.** 3 Discussion and practice of ballet skills for the dance major. May be repeated for a total of nine hours.

253—**Dance Improvisation.** 2

254—**Music Analysis and Accompaniment for Dance.** 2

258—**Modern Dance Technique and Survey.** 3 May be repeated for a total of nine hours.

259—**Intermediate Dance Composition.** 3 Exploration of the elements of dance applied to dance choreography.

301—**Reader's Theatre.** 3 Prerequisite: THE 111. Theories and problems of presenting prose, poetry, and drama in group performances.

306—**Scene Design.** 3 Prerequisite: THE 200 or consent of instructor. Elements of stage design. Play analysis in terms of visualization and style, and the mechanics of developing an effective stage setting.

310—**Intermediate Acting.** 2 Continuation of THE 120.

320—**Directing.** 3-2-2-F. Prerequisites: THE 120 and 200.

330—**University Theatre.** 1 Participation in the major theatrical productions of the department. May be repeated for a total of four hours.

331—**University Theatre.** 1 A continuation of THE 330. May be repeated for a total of four hours.

332—**University Theatre.** 1 A continuation of THE 331. May be repeated for total of four hours.

341—**Opera Workshop.** 1 A complete stage production of scenes and major productions from the Music Theatre repertoire.

342—**Opera Workshop.** 1 A continuation of THE 341.

343—**Opera Workshop.** 1 A continuation of THE 342.

350—**Tap Dance for the Dance Major.** 2 Study of the various styles of tap including rhythm, jazz, and ballet forms. May be repeated twice for a total of six hours.

351—**Jazz Dance for the Dance Major.** 2 The study and application of the principles of jazz movement. May be repeated twice for a total of six hours.

352 **Ballet Technique.** 3 Continuation and further enrichment of the technique of ballet at the intermediate level for the dance major. May be repeated for a total of nine hours.

353—**Character Dance.** 2 Introduction to the study of European dance forms as used for theatrical presentations.

354—**Dance Production.** 1 Developing an awareness and application of behind the stage skills in costumes, lights, scenery and theatre plant. May be repeated up to five times.

356—**Dance History I.** 3

357—**Dance History II.** 3

358—**Dance Technique and Theory.** 3 May be repeated for a total of nine hours.

359—**Advanced Dance Composition.** 3

361—**Stage Combat.** 2 Using fundamental techniques of fighting with or without weapons to create the illusion of combat for the stage. May be repeated one time.

362—**Movement Notation.** 2 Introduction to Sutton Movement Shorthand. Beginning reading and writing. First of a two quarter sequence of instruction.

363—**Movement Notation.** 2 Continuation of THE 362.

370—**Methods of Teaching Dance.** 3 A study of the philosophy, principles, and objectives of teaching dance. Includes observation and supervised teaching experiences.

401—**Costume Design.** 3

411—**Advanced Oral Interpretation.** 2 Special problems related to the oral interpretation of poetry and prose.

412—**Stage Lighting.** 3 Theory and application of general and special lighting, color, instrumentation, and control.

414—**Creative Dramatics.** 3 Fundamentals of organizing and developing creative dramatics activities for preschool and elementary age school children.

415—**Fundamentals of Children's Theatre.** 3 Methods and techniques of producing plays for elementary school age children.

417—**Advanced Acting.** 3 Prerequisite: THE 120, 125, 310.

420—**Advanced Directing.** 3 Prerequisite: THE 320.

427—**Theatre History I.** 3

428—**Theatre History II.** 3 A continuation of THE 427.

429—**Theatre History III.** 3 A continuation of THE 428.

430—**Summer Theatre I.** 3 Concentrated applied theatre.

431—**Summer Theatre II.** 3- A continuation of THE 430.

435—**Advanced Scene Design.** 3 Prerequisite: THE 306 or consent of instructor. The techniques of scene design as applied to non-realistic stage settings.

440—**Ballet Technique.** 3 Continuation and further enrichment of the technique of ballet for the dance major. May be repeated for a total of nine hours.

445—**Advanced Stage Lighting.** 3

447—**Opera Workshop.** 1 A continuation of THE 343.

448—**Opera Workshop.** 1 A continuation of THE 447.

449—**Opera Workshop.** 1 A continuation of THE 448.

455—**Dance Repertory.** 1 May be repeated for a total of six hours.

458—**Dance Technique and Analysis.** 3 May be repeated for a total of nine hours.

459—**Musical Theatre Production.** 3 Study of the different forms and styles of Music Theatre with special attention to the various elements of production.

460—**Costume Designer in the Theatre.** 3 Projects in designing costumes for plays, opera, and dance. Emphasis placed on costume designs as an element in a total production concept.

461—**Advanced Theatrical Makeup.** 3 Projects in makeup design and execution. Emphasis placed on three-dimensional makeup techniques for theatre, television, and film.

465—**Music Resources for Dance.** 2 Studying and gathering of music resources for dance.

466—**Methods of Dance Lecture and Demonstration.** 3 Methods of preparing dance lecture-demonstrations and tours.

467—**Dance Curriculum and Organization Methods.** 3 Study of dance curriculum design and organization.

468—**Musical Theatre Dance.** 2

470—**Senior Dance Production.** 3

471—**Performance Internship.** 3 Professional experience in residence with approved professional organizations.

480—**Directing Children's Theatre.** 3 The techniques of directing, organizing, and administering a children's theatre program.

490—**Theatre Workshop.** 3 Designed for the non-theatre major (i.e., English, speech, music, etc.) who is responsible for directing school or community drama activities.

492—**Problems in Theatre I.** 2 Prerequisite: Consent of instructor.

492—**Problems in Theatre II.** 2 Prerequisite: Consent of instructor.

THERAPY (THY—740)

301—**Research I, II, III.** 1 hr. arr.

411—**Seminar in Corrective Therapy.** 1 An introductory seminar for student interested in careers in Corrective Therapy.

421—**Clinical Experience.** 3 Lectures and supervised internship in various rehabilitation theories and their applications.

431, 432, 433—**Rehabilitation Theory and Application.** 3 Lectures, directed clinical work, and research in rehabilitation theory and its application.

441, 442, 443—**Psychology of Rehabilitation.** 3 The approach to rehabilitation as it involves the individual in the mental and physical phases of readjustment.

453—**Supervision of Therapy and its Application.** 3

454—**Neurological and Pathological Concepts and Implications in Human Functions.** 3 A review of the Central Nervous System and pathology as related to muscular control and disease that limit normal human functioning.

FACULTY EMERITI

DR. HOWARD WILSON BAHR, Professor Emeritus of English

MISS MABEL MAE BALDWIN, Associate Professor Emerita of Business Education

DR. JAMES EDWARD BAXTER, Associate Professor Emeritus of Education

MRS. MARY POE BAYLIS, Assoicate Professor Emerita of Music

MISS FRANCES ELIZABETH BENNER, Associate Professor Emerita of Music

DR. LOUIS KOHL BRANDT, Professor Emeritus of Finance and General Business

DR. JULIUS CHRISTIAN BRAUN, Professor Emeritus of Educational Administration and Supervision

DR. ZED HOUSTON BURNS, Professor Emeritus of Psychology

MISS PEARL CAMPBELL, Associate Professor Emerita of Home Economics

DR. JAMES TREADWELL DAVIS, Professor Emeritus of History

DR. LENA YOUNG de GRUMMOND, Professor Emerita of Library Science

MISS ANNIE LOUISE D'OLIVE, Assistant Professor Emerita of Art

MRS. LOIS ARENDER DRAIN, Assistant Professor Emerita of Home Economics Education

DR. HENRY BENJAMIN EASTERLING, Professor Emeritus of Research and Human Development

MR. MASON LEON EUBANKS, Assistant Professor Emeritus of English

MISS WILLIE EVELYN EWELL, Assistant Professor Emerita of Business Education

DR. VIRGINIA ISABELLE FELDER, Professor Emerita of Mathematics

MISS MADELINE VIRGINIA FLYNT, Assistant Professor Emerita of Library Science

MRS. KATHERINE SELBY FOOTE, Associate Professor Emerita of Mathematics

MR. JOHN MARTIN FRAZIER, Associate Professor Emeritus of Science Education

DR. BERTHA MAUDE FRITZSCHE, Dean Emerita of the School of Home Economics

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